ALBANY NE. NEW HAMPSHIRE–MASSACHUSETTS–VERMONT

NATIONAL WETLANDS INVENTORY

30 X 60 MINUTE SERIES (WETLANDS)

Albany NE

NEW HAMPSHIRE–MASSACHUSETTS–VERMONT

1:100 000 — Scale Map of

National Wetlands Inventory

- Wetland classifications
- Highways, roads and other manmade structures
- Water features
- Geographic names

U.S. DEPARTMENT OF THE INTERIOR — FISH & WILDLIFE SERVICE

1983

Produced by the United States Fish and Wildlife Service

SPECIAL NOTE

Classification of Wetlands and Deep Water Habitats of the United States

Wetland boundaries were photographically delineated from high altitude color infrared photography at the 1:80,000 scale. Wetland boundaries were then transferred to 1:100,000 scale USGS topographic maps.

Marine

Estuarine

Riverine

Lacustrine

Palustrine

SCALE 1:100 000

WETLAND LEGEND

M MARINE
SUBTIDAL
1 Subtidal
AB Aquatic Bed
RB Rock Bottom
UB Unconsolidated Bottom
AB Aquatic Bed
RF Reef

M MARINE
INTERTIDAL
AB Aquatic Bed
RF Reef
RS Rocky Shore
BB Beach Bar

E ESTUARINE
SUBTIDAL
1 Subtidal
OW Open Water/Unknown Bottom
RB Rock Bottom
UB Unconsolidated Bottom
AB Aquatic Bed
RF Reef

E ESTUARINE
INTERTIDAL
AB Aquatic Bed
RF Reef
FL Flat
SB Streambed
RS Rocky Shore
BB Beach Bar
EM Emergent

R RIVERINE
TIDAL
EM Emergent Persistent
OW Open Water/Unknown Bottom
RB Rock Bottom
UB Unconsolidated Bottom
AB Aquatic Bed
FL Flat
SB Streambed
RS Rocky Shore
BB Beach Bar

R RIVERINE
LOWER PERENNIAL
EM Emergent Persistent
OW Open Water/Unknown Bottom
RB Rock Bottom
UB Unconsolidated Bottom
AB Aquatic Bed
FL Flat
SB Streambed
RS Rocky Shore
BB Beach Bar

R RIVERINE
UPPER PERENNIAL
OW Open Water/Unknown Bottom
RB Rock Bottom
UB Unconsolidated Bottom
AB Aquatic Bed
FL Flat
SB Streambed
RS Rocky Shore
BB Beach Bar

R RIVERINE
INTERMITTENT
OW Open Water/Unknown Bottom
RB Rock Bottom
UB Unconsolidated Bottom
AB Aquatic Bed
FL Flat
SB Streambed
RS Rocky Shore
BB Beach Bar

L LACUSTRINE
LIMNETIC
OW Open Water/Unknown Bottom
RB Rock Bottom
UB Unconsolidated Bottom
AB Aquatic Bed

L LACUSTRINE
LITTORAL
OW Open Water/Unknown Bottom
RB Rock Bottom
UB Unconsolidated Bottom
AB Aquatic Bed
FL Flat
MB Moss/Lichen
EM Emergent
SS Scrub/Shrub
FO Forested

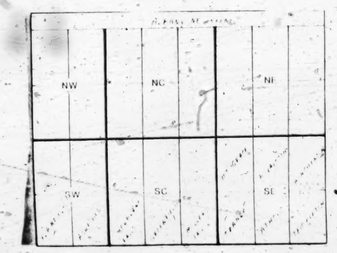
P PALUSTRINE
NO SUBSYSTEMS
OW Open Water/Unknown Bottom
RB Rock Bottom
UB Unconsolidated Bottom
AB Aquatic Bed
FL Flat
MB Moss/Lichen
EM Emergent
SS Scrub/Shrub
FO Forested

*SOURCES OF ADDITIONAL INFORMATION

SYSTEM
SUBSYSTEM
CLASS

ALBANY NE. NEW HAMPSHIRE–MASSACHUSETTS–VERMONT

1983



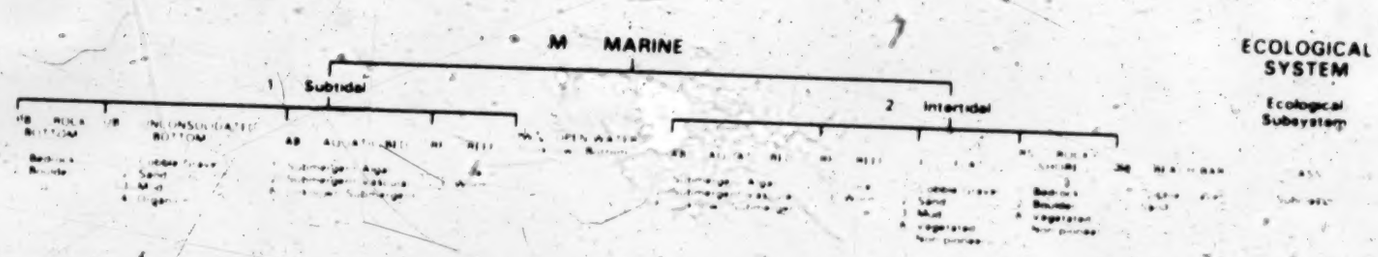
NATIONAL WETLANDS INVENTORY

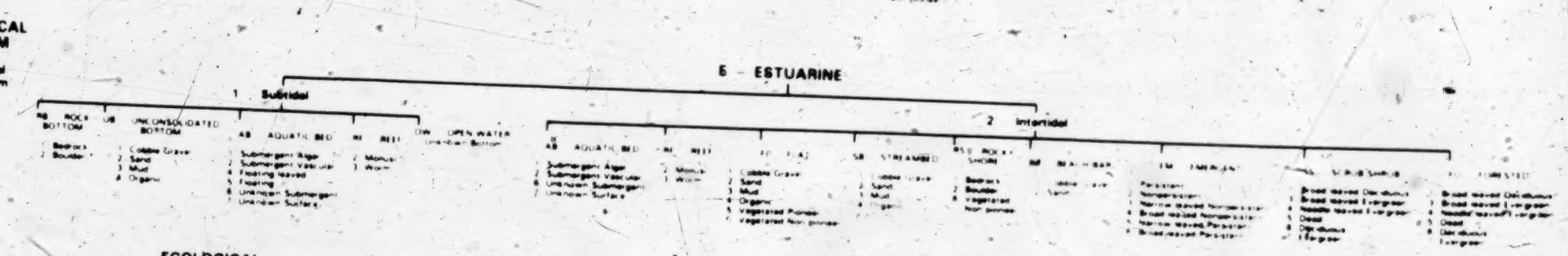
UNITED STATES DEPARTMENT OF THE INTERIOR

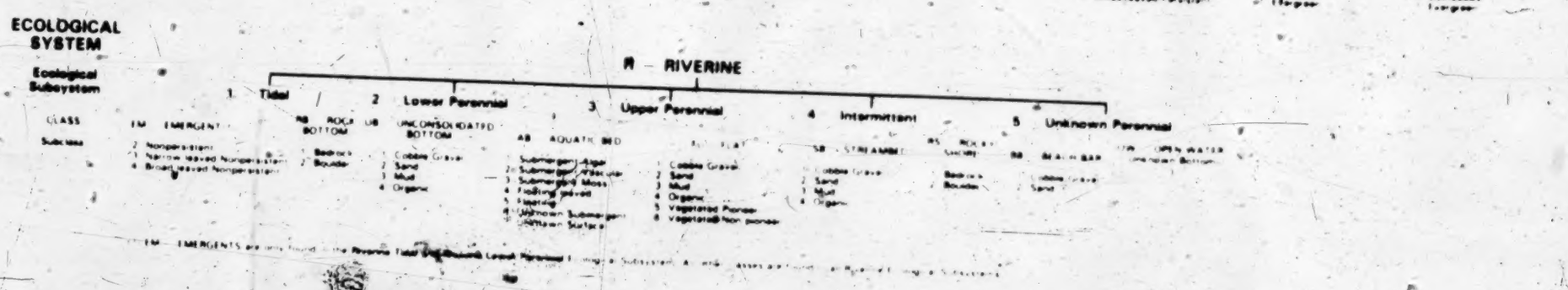
PF04C
R30WZ
PF01C
PF01/4C
PF04C
POWH
PF01/4C
POWH
PF01E
POWFb
PF04E
POWFb
PF04E
PF01/4C
PF04C
PF01/4E
PF04C
POWF
PF01C
R30WH
PF01C
PF01E
PF04C
PF01/4C
R30WH
PF01C
PF04C
PF01C
PF01C
PF04C
PF01/4C
PF04C
PSS1C
PF01/5Fb
PF04C
PF04C
PF01C
PF04C
PSS1C
PF04E
PF01C
PF04E
PF01/4C
PSS1E
PF01/4Eb
PF01E
PF01C
PF04/1E
PF01/4E
PF04E
PSS1E
PF01C
LIOWH
PF04E
PF04E
LIOWH
PSS1E
PF01C
LIOWH
PEME
PF04C
PSS1Eb
PF01/4C
PSS1C
LIOWH
PF01/5Fb
PF04E
PF01/4C
PF01/5F
PF04C
PF01C
PF04E
PF04C
PF04C
PF01E
PF04C
PF04E
PF01E
PF04C
PF01E
POWH
PF01A
POWH
R30WH
PF04C
PF04C
PF01C
R30WH
PF01E
PF04C
PF01A
PF01A
POWZ
PF01E
PF04C
PF01/4C
PF04C
PF01C
PF04C
PF01C
PF04C
PF01C
PF04C
PF01C
PF01E
PF01/5Eb
PF01/4C
PF04C
POWFb
POWH
POWFb
PS53Ba
PF04/6B
PF01C
POWFb
PF04E
PF01Eb
PEMFb
PF04E
PF01/4C
PF01/4E
PF01E
PF01E
PF04E
PF04E
PF01/4E
PF04E
PF04E
PF04E
PF04C
PF04C
PF04C
PF01C
PF04C
PF04E
PF04C
PF04C
PF04C

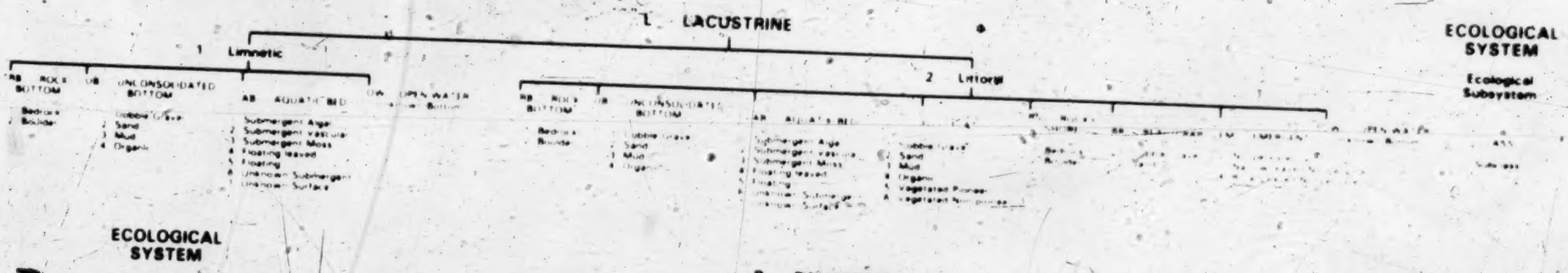
WETLAND LEGEND

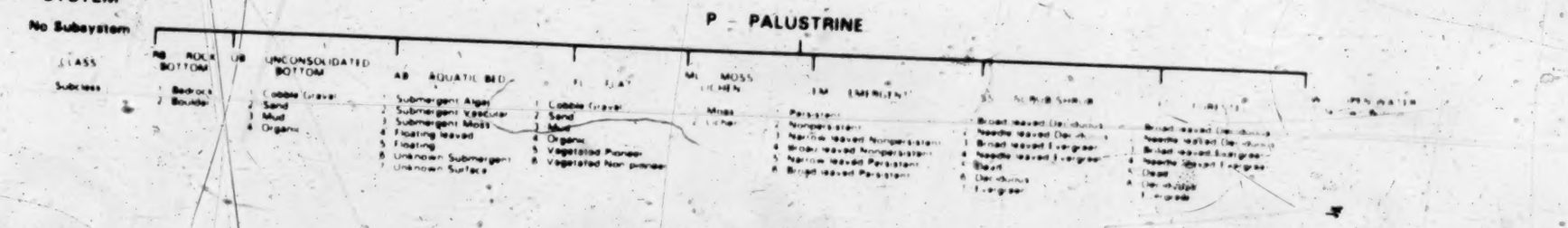
U Primarily represents upland areas, but may include unclassified wetlands such as man modified areas, non photo identifiable areas and/or unintentional omissions











MODIFYING TERMS

In order to more adequately describe wetland and aquatic habitats one or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The farmed modifier may also be applied to the ecological system.

WATER REGIME(1)

Non Tidal

- A Temporary
- B Saturated
- C Seasonal
- D Seasonal Well drained
- E Seasonal Saturated
- F Semipermanent
- G Intermittently Exposed
- H Permanent
- J Intermittently Flooded
- K Artificial
- Z Intermittently Exposed Permanent
- W Intermittently Flooded Temporary
- Y Saturated Semipermanent Seasonal
- U Unknown

Tidal

- R Artificial
- L Subtidal
- M Irregularly Exposed
- N Regular
- P Irregular
- R Seasonal Tidal
- S Temporary Tidal
- T Semipermanent Tidal
- V Permanent Tidal
- U Unknown

WATER CHEMISTRY

Coastal Salinity

- 1 Hyperhaline
- 2 Euhaline
- 3 Mixohaline (Brackish)
- 4 Polyhaline
- 5 Mesohaline
- 6 Oligohaline
- 0 Fresh

Inland Salinity

- A Hypersaline
- B Eusaline
- C Mixosaline
- D Fresh

pH Modifiers for all Fresh Water

- a Acid
- i Circumneutral
- b Alkaline

SOIL

- 1 Organic
- 2 Mineral

SPECIAL MODIFIERS

- b Beaver
- c Partially Drained/Ditched
- d Diked/Impounded
- f Farmed
- h Artificial
- s Spoil
- x Excavated

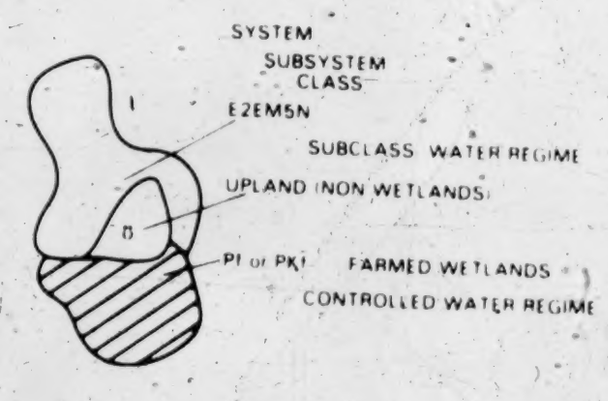
(1) Information on the water regime modifiers found on this legend, but not found in the classification system, may be obtained from the above-listed source.

SPECIAL NOTE

This document was prepared primarily by stereoscopic analysis of high altitude aerial photographs. Wetlands were identified on the photographs based on vegetation, visible hydrology, and geography in accordance with **Classification of Wetlands and Deep-Water Habitats of the United States** (An Operational Draft), Cowardin, et al, 1977. The aerial photographs typically reflect conditions during the specific year and season when they were taken. In addition, there is a margin of error inherent in the use of the aerial photographs. Thus, a detailed on the ground and historical analysis of a single site may result in a revision of the wetland boundaries established through photographic interpretation. In addition, some small wetlands and those obscured by dense forest cover may not be included on this document.

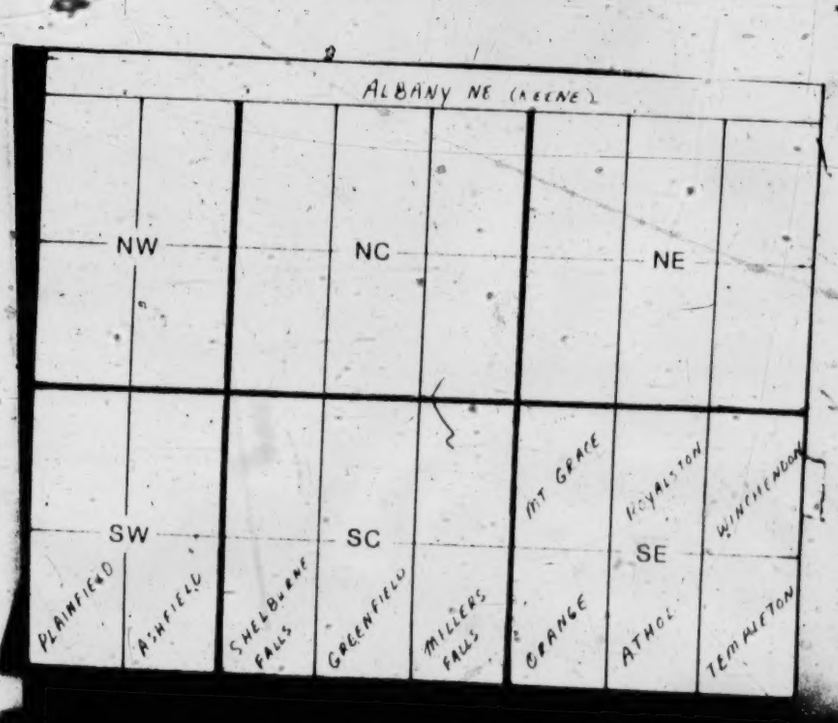
Federal, State and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, State or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, State or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

SYMBOLOGY EXAMPLE



NOTES TO THE USER

- Wetlands which have been field examined are indicated on the map by an asterisk (*).
- Dominance type (either vegetative or sedentary animal) can be added to the map by the interested user.
- Additions or corrections to the wetlands information displayed on this map are solicited. Please forward such information to the address indicated.



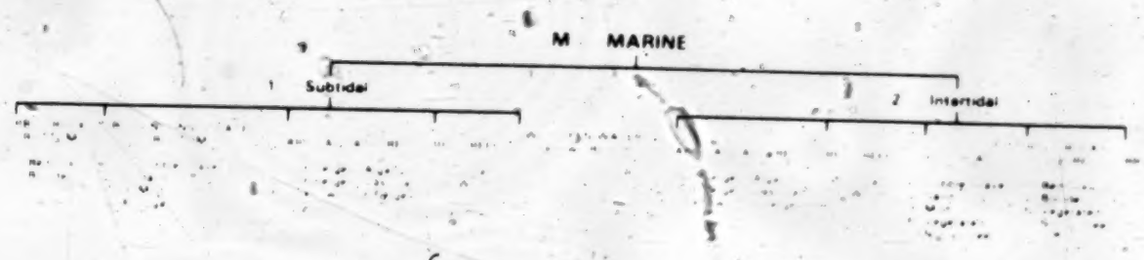
NATIONAL WETLANDS INVENTORY

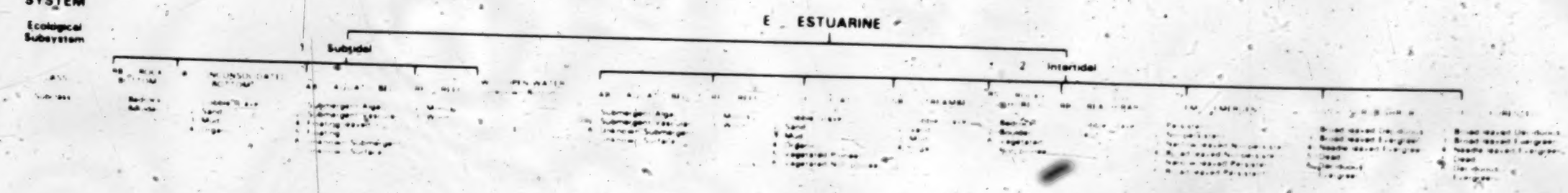
UNITED STATES DEPARTMENT OF THE INTERIOR

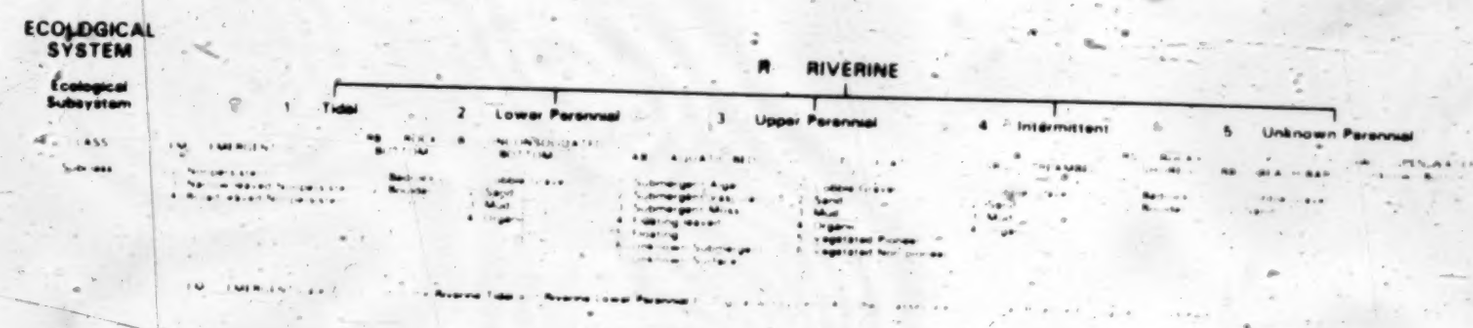
R30WZ
R30WH
PEMC
PSSIE
PEMC
PSSIC
R38BA
PSSIA
PF04C
PSSIE
PEMC
PSSIC
PSSI/4E
PF04C
PFO1/4E
PFO1/4C
PFO1/4C
PFO4C
PFO1/4C
PFO1/4C
PFO1/

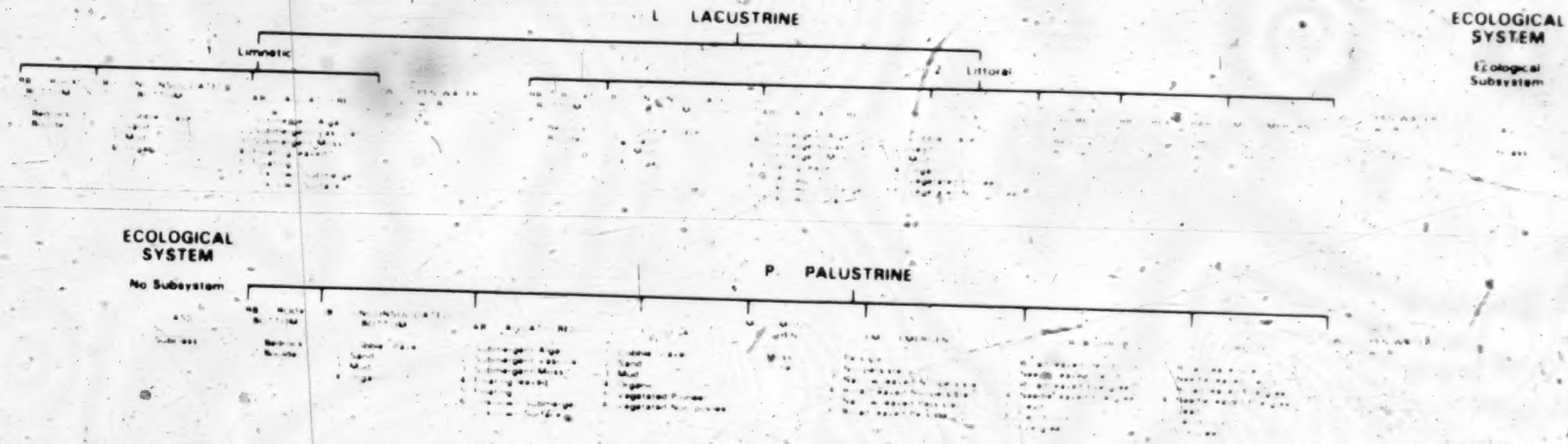
WETLAND LEGEND

U Primarily represents **upland** areas but may include unclassified wetlands such as man modified areas, non photo identifiable areas and or unintentional omissions









MODIFYING TERMS

In order to more adequately describe wetland and aquatic habitats one or more of the water regime, water chemistry, soil type, or special modifiers may be applied at the class or lower level in the hierarchy. The water regime modifier may also be applied to the subclass level of a system.

WATER REGIME(1)		WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS
Non Tidal	Tidal	Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water		
A Temporary B Saturated C Seasonal D Seasonal Well Drained E Seasonal Saturated F Semipermanent G Intermittently Exposed	H Permanent J Intermittently Exposed K Artificial L Intermittently Exposed/Permanent M Intermittently Flooded/Temporary N Saturated/Semipermanent/Seasonal P Artificial	0 Hyperhaline 1 Euhaline 2 Mixohaline (Brackish) 3 Polyhaline 4 Mesohaline 5 Oligohaline 6 Fresh	0 Hyperhaline 1 Euhaline 2 Mixohaline (Brackish) 3 Polyhaline 4 Mesohaline 5 Oligohaline 6 Fresh	a Acid b Circumneutral c Alkaline	g Organic	d Diked/Impounded f Farmed h Partially Drained/Ditched r Artificially Flooded s Spoil x Excavated

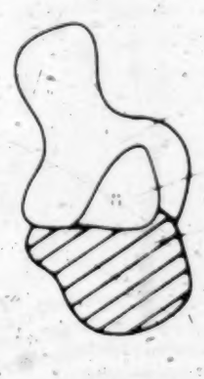
(1) Information on the water regime modifiers found on this legend but not found in the classification system may be obtained at the end of each class.

SPECIAL NOTE

This document was prepared primarily by stereoscopic analysis of high altitude aerial photographs. Wetlands were identified on the photographs based on vegetation, visible hydrology, and geography in accordance with **Classification of Wetlands and Deep Water Habitats of the United States** (An Operational Draft), Cowardin et al. 1977. The aerial photographs typically reflect conditions during the specific year and season when they were taken. In addition, there is a margin of error inherent in the use of the aerial photographs. Thus, a detailed on the ground and historical analysis of a single site may result in a revision of the wetland boundaries established through photographic interpretation. In addition, some small wetlands and those obscured by dense forest cover may not be included on this document.

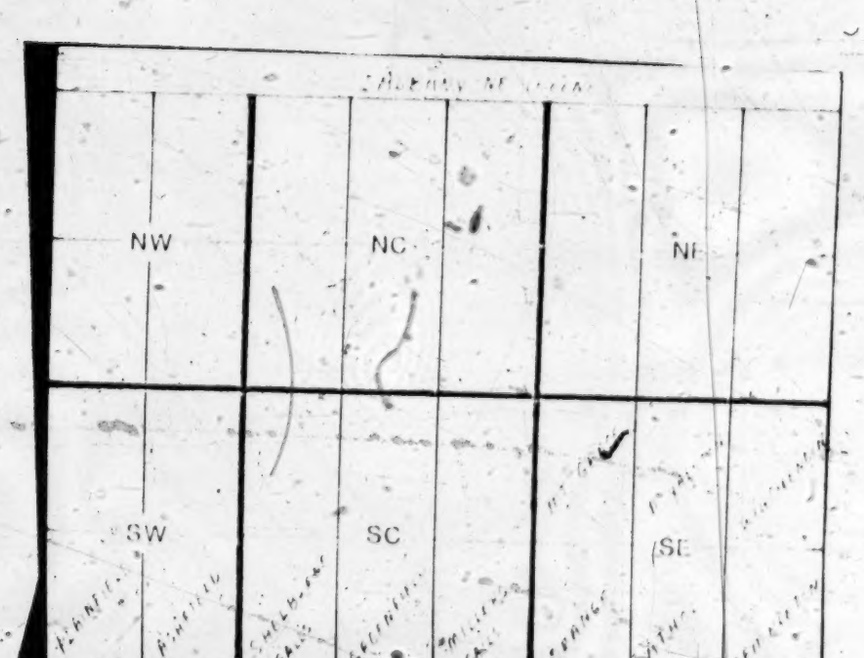
Federal, State and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, State or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, State or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

SYMBOLOGY EXAMPLE



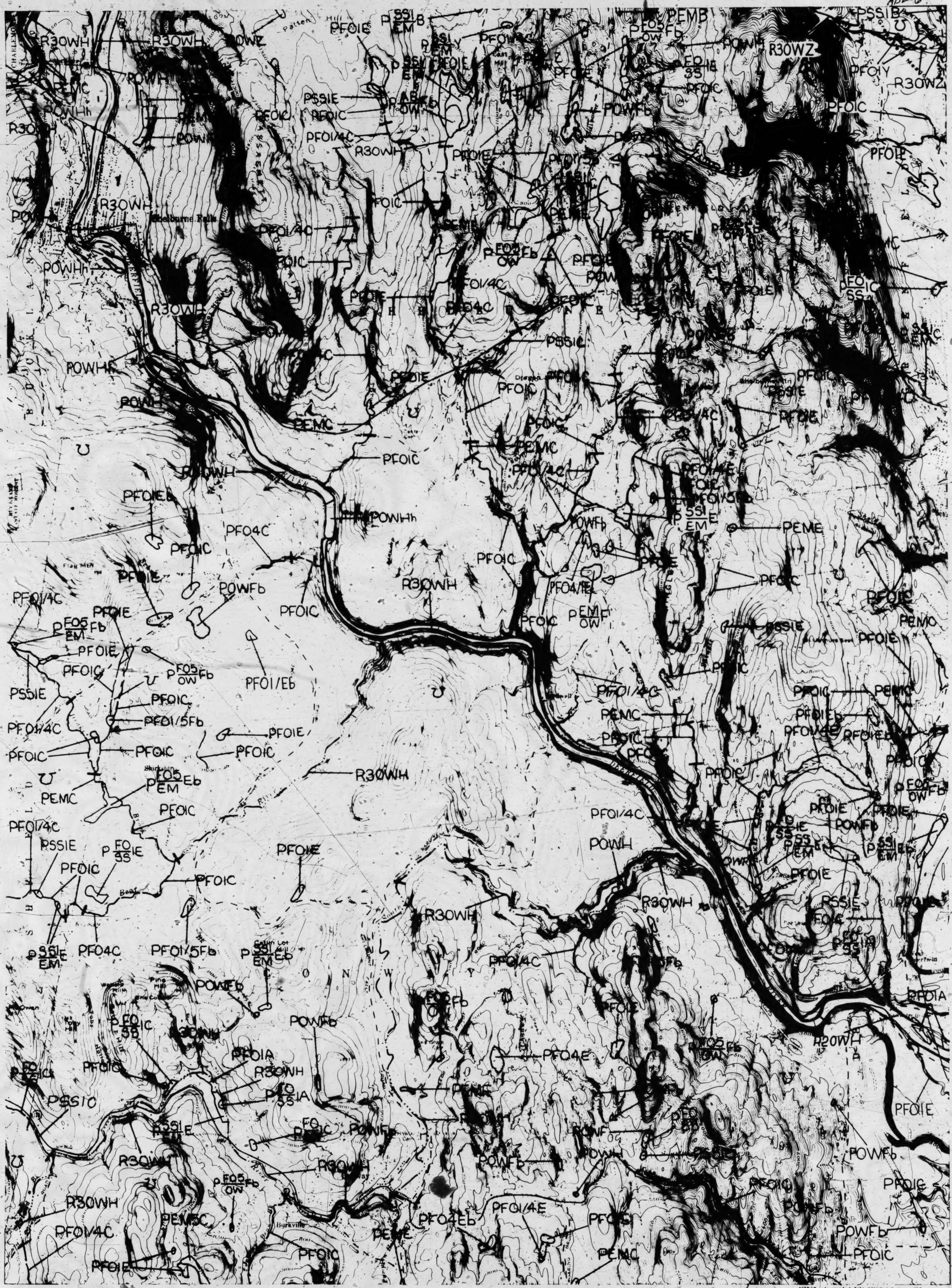
NOTES TO THE USER

- Wetlands which have been field examined are indicated on the map by an asterisk.
- Dominance type (either vegetative or sedentary) may be added to the map by the interested user.
- Additions or corrections to the wetlands information displayed on this map are invited. Please forward such information to the address indicated.



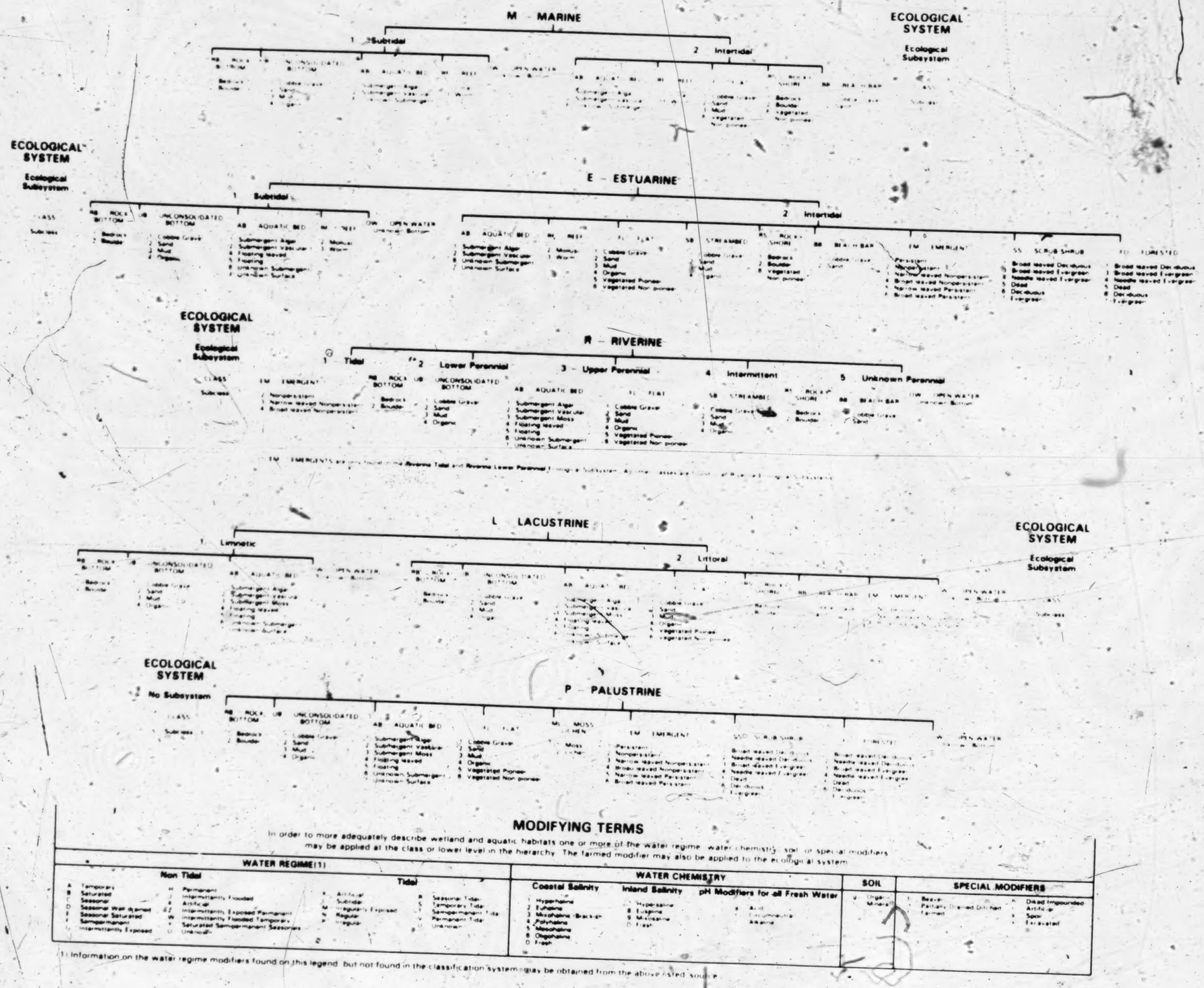
NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR


ABL-6
R30WH
POWH
PEMC
PFO1C
PSSIE
PFO1/4C
POWFb
PEMB
PFO5FB
R30WZ
PSSIB
PFO1Y
PFO1E
PFO4C
PFO1/5Fb
PFO1/Eb
PFO4E
PEME
PEMO
PFO1A
R20WH
POWF
PSSIC
PFO4Eb
PFO1/4E
PEMF
Shelburne Falls
Buckland
Charlemont
Colrain
Heath
Hawley
Plainfield
Ashfield
Conway
Deerfield
Whately
Hatfield
Northampton
Williamsburg
Goshen
Chesterfield
Worthington
Cummington
Windsor
Dalton
Peru
Becket
Washington
Otis
Blandford
Montgomery
Russell
Huntington
Middlefield
Chester
Granville
Tolland
Southwick
Westfield
Agawam
Longmeadow
East Longmeadow
Hampden
Wilbraham
Monson
Palmer
Ware
Hardwick
New Braintree
Brimfield
Holland
Sturbridge
Southbridge
Charlton
Oxford
Dudley
Webster
Douglas
Sutton
Millbury
Auburn
Worcester
Leicester
Spencer
Brookfield
West Brookfield
North Brookfield
East Brookfield
Warren
Palmer
Monson
Wales

WETLAND LEGEND

U Primarily represents **upland** areas, but may include unclassified wetlands such as man modified areas, non photo identifiable areas and/or unintentional omissions.



MODIFYING TERMS

In order to more adequately describe wetland and aquatic habitats one or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The farmed modifier may also be applied to the ecological system.

WATER REGIME(1)										WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS	
Non Tidal				Tidal						Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water			
A Temporary	H Permanent			R Seasonal Tidal						1 Hyperhaline	Hypersaline			b Beaver	h Diked/Impounded
B Saturated	J Intermittently Flooded			S Temporary Tidal						2 Euhaline	8 Eusaline	a Acid		c Partially Drained/Ditched	r Artificial
C Seasonal	K Artificial			T Semipermanent Tidal						3 Mixohaline (Brackish)	9 Mixosaline	b Circumneutral		f Farmed	s Spoil
D Seasonal/Well drained	Z Intermittently Exposed Permanent			V Permanent Tidal						4 Polyhaline	0 Fresh	c Calcareous			x Excavated
E Seasonal Saturated	W Intermittently Flooded Temporary			Y Unknown						5 Mesohaline		Alkaline			
F Semipermanent	Y Saturated Semipermanent Seasonal									6 Oligohaline					
G Intermittently Exposed	U Unknown									0 Fresh					

A	Temporary	H	Permanent			R	Seasonal Tidal
B	Saturated	J	Intermittently Flooded			S	Temporary Tidal
C	Seasonal	K	Artificial			T	Semipermanent Tidal
D	Seasonal Well drained	Z	Intermittently Exposed Permanent			V	Permanent Tidal
E	Seasonal Saturated	W	Intermittently Flooded Temporary			Y	Unknown
F	Semipermanent	Y	Saturated Semipermanent Seasonal				
G	Intermittently Exposed	U	Unknown				

1	Hyperhaline		Hypersaline			a	Acid	b	Diked/Impounded
2	Euhaline	8	Eusaline			b	Circumneutral	r	Artificial
3	Mixohaline (Brackish)	9	Mixosaline			c	Calcareous	s	Spoil
4	Polyhaline	0	Fresh				Alkaline	x	Excavated
5	Mesohaline								
6	Oligohaline								
0	Fresh								

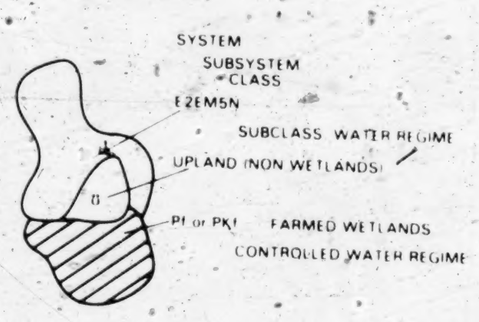
(1) Information on the water regime modifiers found on this legend, but not found in the classification system may be obtained from the above listed source.

SPECIAL NOTE

This document was prepared primarily by stereoscopic analysis of high altitude aerial photographs. Wetlands were identified on the photographs based on vegetation, visible hydrology, and geography in accordance with **Classification of Wetlands and Deep-Water Habitats of the United States** (An Operational Draft), Cowardin, et al, 1977. The aerial photographs typically reflect conditions during the specific year and season when they were taken. In addition, there is a margin of error inherent in the use of the aerial photographs. Thus, a detailed on the ground and historical analysis of a single site may result in a revision of the wetland boundaries established through photographic interpretation. In addition, some small wetlands and those obscured by dense forest cover may not be included on this document.

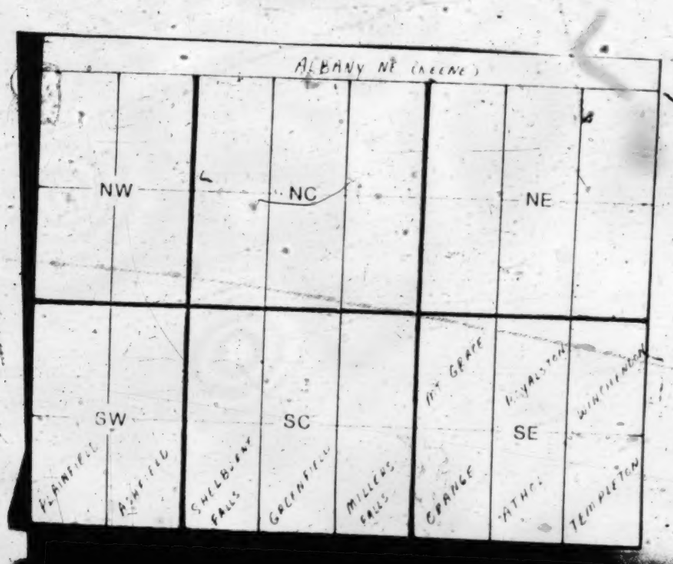
Federal, State and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, State or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, State or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

SYMBOLOGY EXAMPLE



NOTES TO THE USER

- Wetlands which have been field examined are indicated on the map by an asterisk (*).
- Dominance type (either vegetative or sedentary animal) can be added to the map by the interested user.
- Additions or corrections to the wetlands information displayed on this map are solicited. Please forward such information to the address indicated.



NATIONAL WETLANDS INVENTORY

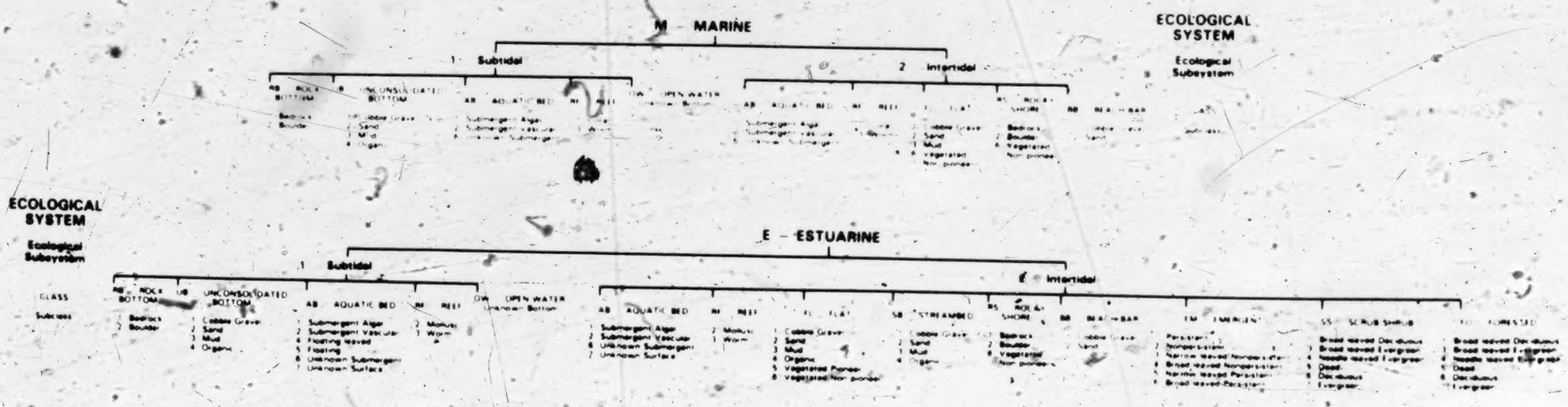
UNITED STATES DEPARTMENT OF THE INTERIOR

ABL-5

PFO1Y
R2FLY
R30WZ
PFO1E
PEMC
PSSIE
R20WH
POWH
PFO1C
PFO1A
PEME
PSSIC
PFO/5Fb
POWFb
R2BBA
R30WH
PFO4C
PFO4E
PFO1/4E
PFO1/4C
PFO5/5Fb
LIOWH
PFO5/OWFb
Montague
CONNECTICUT
RIVER
MONTAGUE
Horse
RIVER
CUT
Inland
Plain
Meadow
Override
Boat Ramp
Airport
Montague
Lake Pleasant
Standard Hill
Whitmore Pond
Wapping Hill
Mt. Toby
Sugarloaf
Mt. Hope
Barton Cove
Turners Falls
Power Canal
Gill
Bernardston
Northfield
Greenfield
Deerfield
Sunderland
Hadley
Amherst
Montague
Leverett
Shutesbury
Wendell
Erving
Warwick
Orange
Athol
Petersham
Phillipston
Templeton
Gardner
Winchendon
Ashburnham
Fitchburg
Leominster
Westminster
Princeton
Sterling
Lancaster
Clinton
Berlin
Bolton
Harvard
Stow
Boxborough
Littleton
Ayer
Shirley
Groton
Pepperell
Dunstable
Tyngsboro
Dracut
Lowell
Chelmsford
Westford
Carlisle
Acton
Concord
Lincoln
Weston
Wayland
Sudbury
Framingham
Natick
Wellesley
Needham
Dover
Medfield
Norfolk
Wrentham
Foxboro
Mansfield
Norton
Taunton
Raynham
Middleborough
Lakeville
Rochester
Marion
Mattapoisett
Wareham
Plymouth
Kingston
Duxbury
Pembroke
Hanover
Norwell
Hingham
Cohasset
Scituate
Marshfield
Hull
Weymouth
Braintree
Quincy
Milton
Dedham
Canton
Sharon
Stoughton
Randolph
Holbrook
Avon
Brockton
Abington
Whitman
Hanson
Hingham
Hull
Boston
Dorchester
Roxbury
Brookline
Newton
Watertown
Cambridge
Somerville
Medford
Malden
Melrose
Stoneham
Wakefield
Reading
North Reading
Lynnfield
Peabody
Salem
Marblehead
Swampscott
Lynn
Saugus
Revere
Winthrop
Chelsea
Everett
Arlington
Belmont
Lexington
Waltham
Watertown
Newton
Wellesley
Weston
Natick
Framingham
Ashland
Hopkinton
Southborough
Marlborough
Hudson
Stow
Maynard
Acton
Boxborough
Littleton
Ayer
Harvard
Bolton
Lancaster
Sterling
Clinton
Berlin
Boylston
West Boylston
Shrewsbury
Worcester
Millbury
Sutton
Northbridge
Uxbridge
Douglas
Webster
Dudley
Oxford
Auburn
Millbury
Grafton
Upton
Hopedale
Milford
Bellingham
Franklin
Medway
Millis
Norfolk
Walpole
Sharon
Canton
Milton
Quincy
Braintree
Weymouth
Hingham
Cohasset
Scituate
Norwell
Hanover
Pembroke
Duxbury
Kingston
Plymouth
Carver
Wareham
Mattapoisett
Marion
Rochester
Lakeville
Middleborough
Raynham
Taunton
Norton
Mansfield
Foxboro
Wrentham
Norfolk
Walpole
Medfield
Dover
Needham
Wellesley
Natick
Framingham
Sudbury
Wayland
Weston
Lincoln
Concord
Carlisle
Acton
Boxborough
Littleton
Ayer
Shirley
Groton
Pepperell
Dunstable
Tyngsboro
Dracut
Lowell
Chelmsford
Westford
Carlisle
Bedford
Billerica
Tewksbury
Wilmington
Burlington
Woburn
Stoneham
Winchester
Medford
Somerville
Cambridge
Belmont
Arlington
Lexington
Waltham
Watertown
Newton
Brookline
Boston
Dorchester
Roxbury
Milton
Quincy
Braintree
Weymouth
Hingham
Cohasset
Scituate
Marshfield
Hull
Duxbury
Pembroke
Hanover
Norwell

WETLAND LEGEND

U – Primarily represents **upland** areas, but may include unclassified wetlands such as man modified areas, non photo identifiable areas and/or unintentional omissions



MODIFYING TERMS

In order to more adequately describe wetland and aquatic habitats one or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The farmed modifier may also be applied to the ecological system.

WATER REGIME(1)				WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS
Non Tidal		Tidal		Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water		
A Temporary	H Permanent	R Artificial	R Seasonal Tidal	1 Hyperhaline	7 Hypersaline	A Acid	n Organic	b Beaver
B Saturated	J Intermittently Flooded	L Subtidal	S Temporary Tidal	2 Euhaline	8 Eusaline	C Circumneutral	Mineral	d Partially Drained Or Ditched
C Seasonal	K Artificial	M Irregularly Exposed	T Semipermanent Tidal	3 Mesohaline (Brackish)	9 Mixosaline	S Alkaline		f Farmed
D Seasonal Well drained	Z Intermittently Exposed Permanent	N Regular	V Permanent Tidal	4 Polyhaline	0 Fresh			h Diked Impounded
E Seasonal Saturated	W Intermittently Flooded Temporary	P Irregular	U Unknown	5 Mesohaline				r Artificial
F Semipermanent	Y Saturated Semipermanent Seasonal			6 Oligohaline				s Spoil
G Intermittently Exposed	U Unknown			0 Fresh				x Excavated

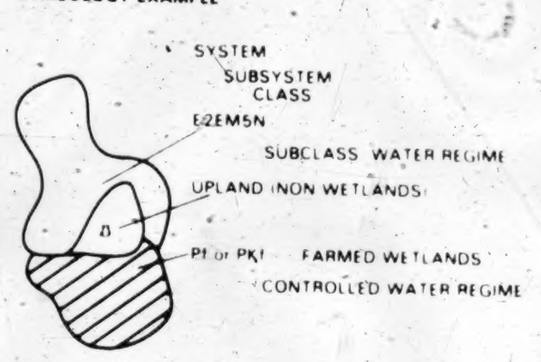
(1) Information on the water regime modifiers found on this legend, but not found in the classification system, may be obtained from the above listed source.

SPECIAL NOTE

This document was prepared primarily by stereoscopic analysis of high altitude aerial photographs. Wetlands were identified on the photographs based on vegetation, visible hydrology, and geography in accordance with **Classification of Wetlands and Deep-Water Habitats of the United States** (An Operational Draft), Cowardin, et al, 1977. The aerial photographs typically reflect conditions during the specific year and season when they were taken. In addition, there is a margin of error inherent in the use of the aerial photographs. Thus, a detailed on the ground and historical analysis of a single site may result in a revision of the wetland boundaries established through photographic interpretation. In addition, some small wetlands and those obscured by dense forest cover may not be included on this document.

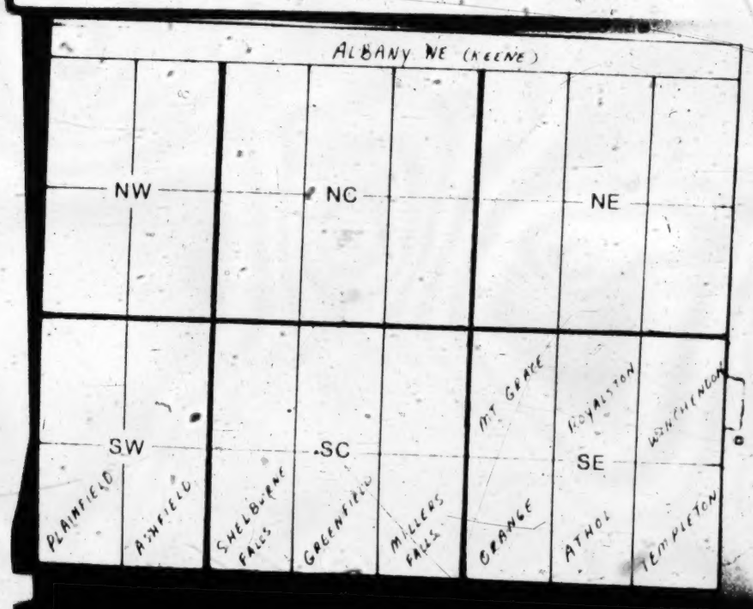
Federal, State and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, State or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, State or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

SYMBOLOGY EXAMPLE



NOTES TO THE USER

- Wetlands which have been field examined are indicated on the map by an asterisk (*).
- Dominance type (either vegetative or sedentary animal) can be added to the map by the interested user.
- Additions or corrections to the wetlands information displayed on this map are solicited. Please forward such information to the address indicated.



NATIONAL WETLANDS INVENTORY

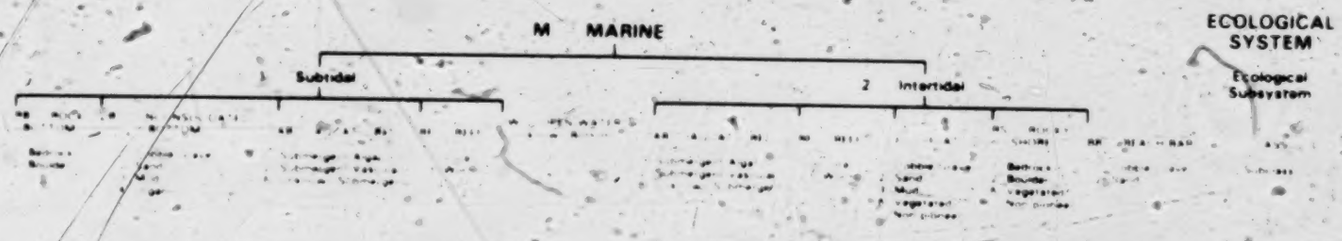
UNITED STATES DEPARTMENT OF THE INTERIOR

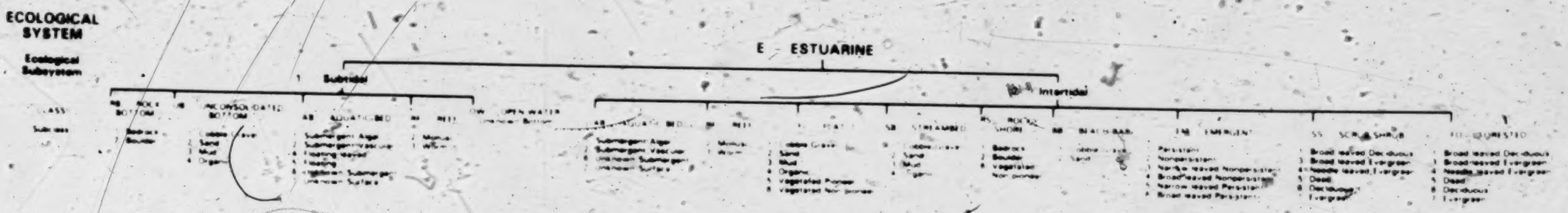
ABL-4

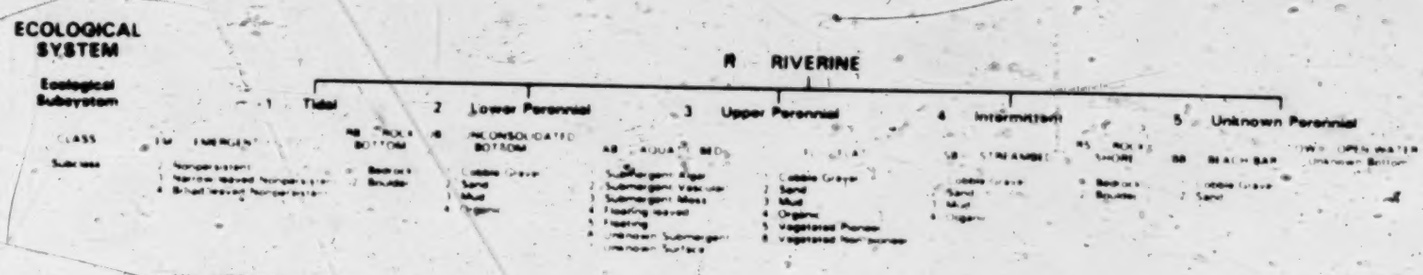
R30WZ
R30WH
R20WH
LIOWH
PSSIE
PFO1E
PFO1C
PFO4E
PFO1/4C
PFO1/5F
POWH
PSSIC
PFO1/4E
PFO1E
PFO5Fb
PEME
PSSIEb
PFO4C
PFO1/5Fb
PFO1Eb
PFO4E
PSSIE
PFO1E
PFO1C
PFO1E
PFO1/4E
PFO1E
PFO1C
PFO1E
PFO1C
PFO1E
PFO1C

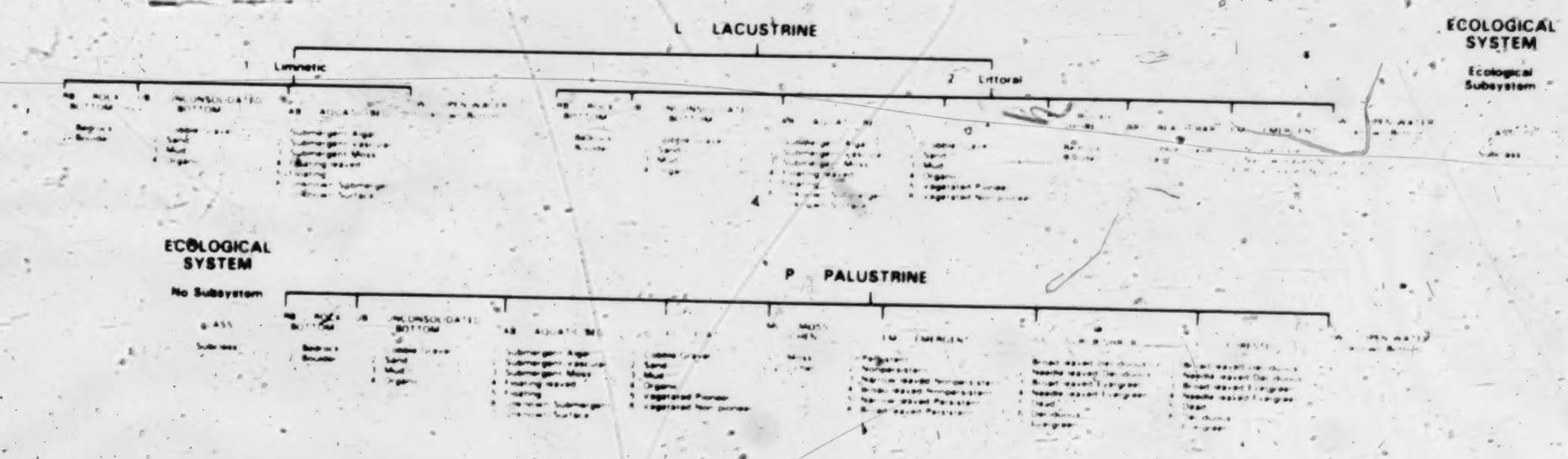
WETLAND LEGEND

U Primarily represents **upland** areas "but may include unclassified wetlands such as man modified areas, non photo identifiable areas and or unintentional omissions









MODIFYING TERMS

In order to more adequately describe wetland and aquatic habitats one or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The farmed modifier may also be applied to the ecological system.

WATER REGIME(1)			WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS
Non Tidal		Tidal	Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water		
A Temporary B Saturated C Seasonal D Nontidal Artificially Flooded E Seasonal Saturated F Semipermanent G Intermittently Exposed	H Permanent J Intermittently Flooded K Artificial Z Intermittently Exposed/Permanent V Intermittently Flooded/Temporary Y Saturated/Semipermanent/Seasonal	L Subtidal M Irregularly Exposed N Regular P Irregular	1 Hypersaline 2 Eusaline 3 Mixohaline (Brackish) 4 Polyhaline 5 Mesohaline 6 Oligohaline 0 Fresh	1 Hypersaline 2 Eusaline 3 Mixosaline 0 Fresh	8 Acid 7 Circumneutral 9 Alkaline	W Organic X Mineral	5 Diked/Impounded 6 Artificial S Spoil R Excavated

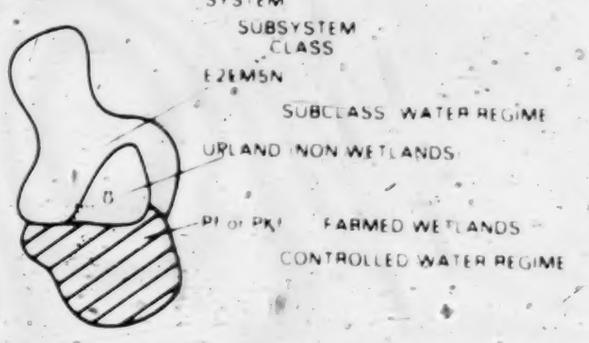
1. Information on the water regime modifiers found on this legend, but not found in the classification system, may be obtained from the above listed source.

SPECIAL NOTE

This document was prepared primarily by stereoscopic analysis of high altitude aerial photographs. Wetlands were identified on the photographs based on vegetation, visible hydrology, and geography in accordance with **Classification of Wetlands and Deep Water Habitats of the United States** (An Operational Draft), Cowardin, et al. 1977. The aerial photographs typically reflect conditions during the specific year and season when they were taken. In addition, there is a margin of error inherent in the use of the aerial photographs. Thus, a detailed on the ground and historical analysis of a single site may result in a revision of the wetland boundaries established through photographic interpretation. In addition, some small wetlands and those obscured by dense forest cover may not be included on this document.

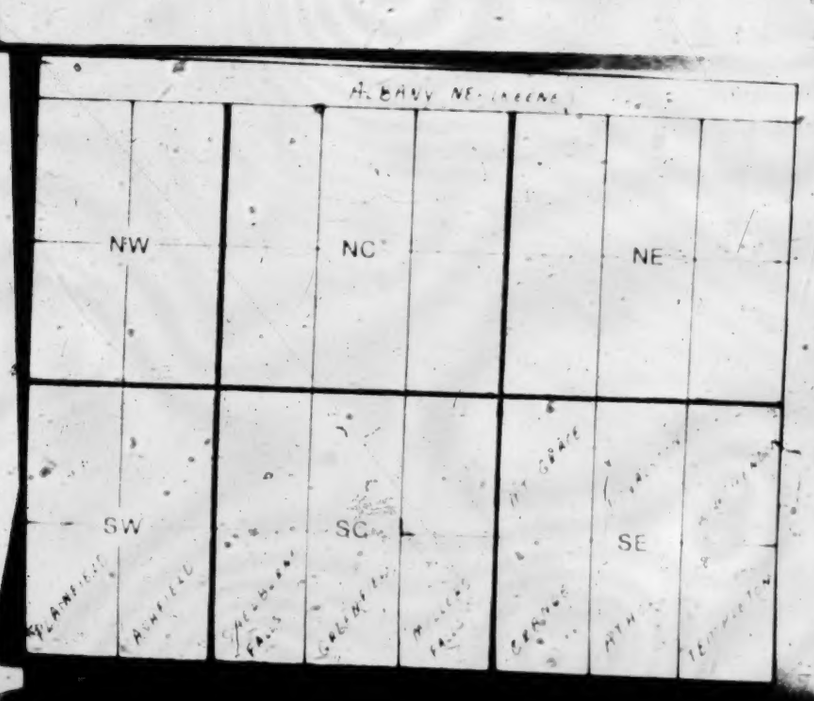
Federal, State and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, State or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, State or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

SYMBOLOGY EXAMPLE



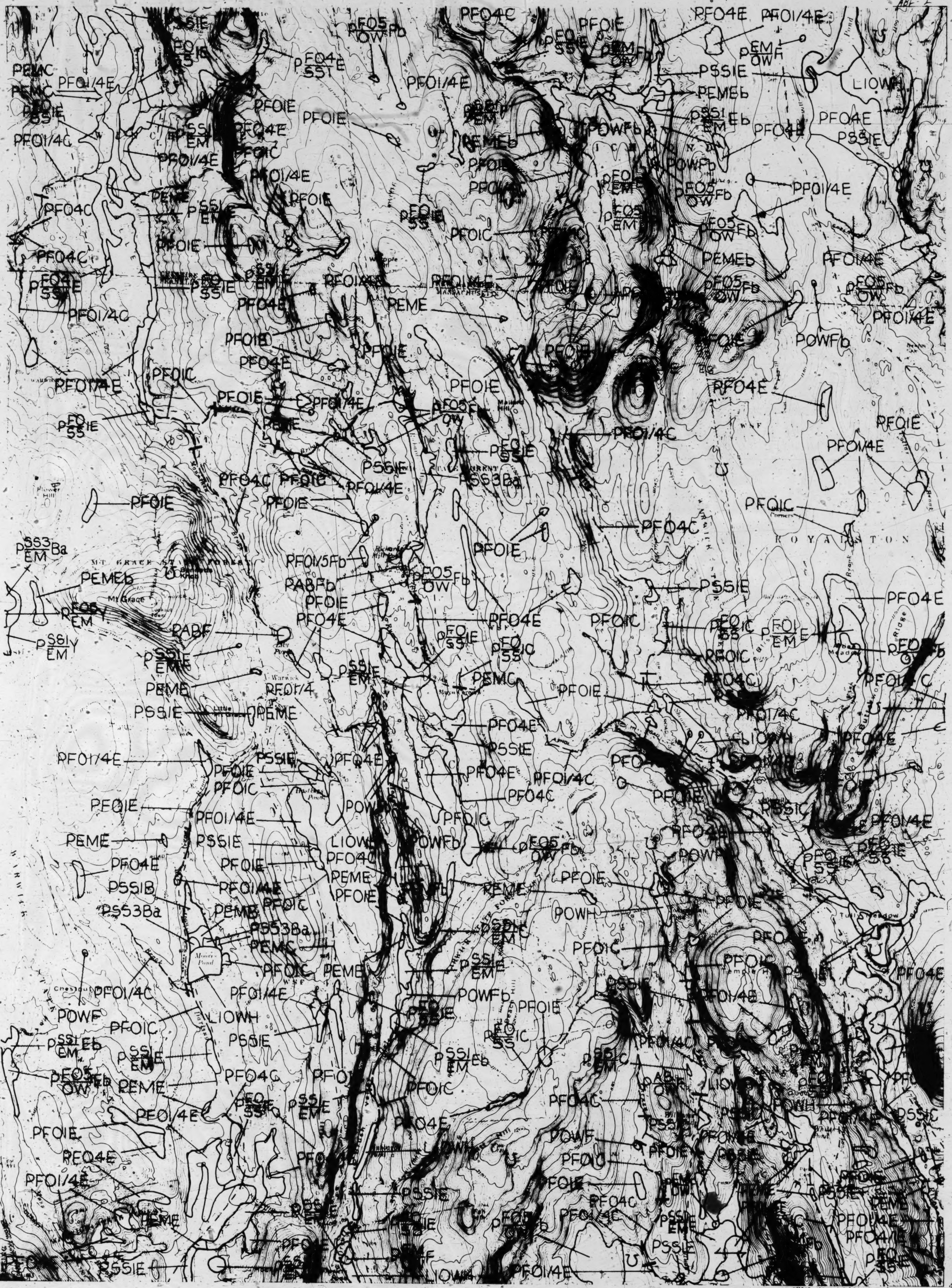
NOTES TO THE USER

- Wetlands which have been field examined are indicated on the map by an asterisk.
- Dominance type (either vegetative or sedentary animal) can be added to the map by the interested user.
- Additions or corrections to the wetlands information displayed on this map are solicited. Please forward such information to the address indicated.



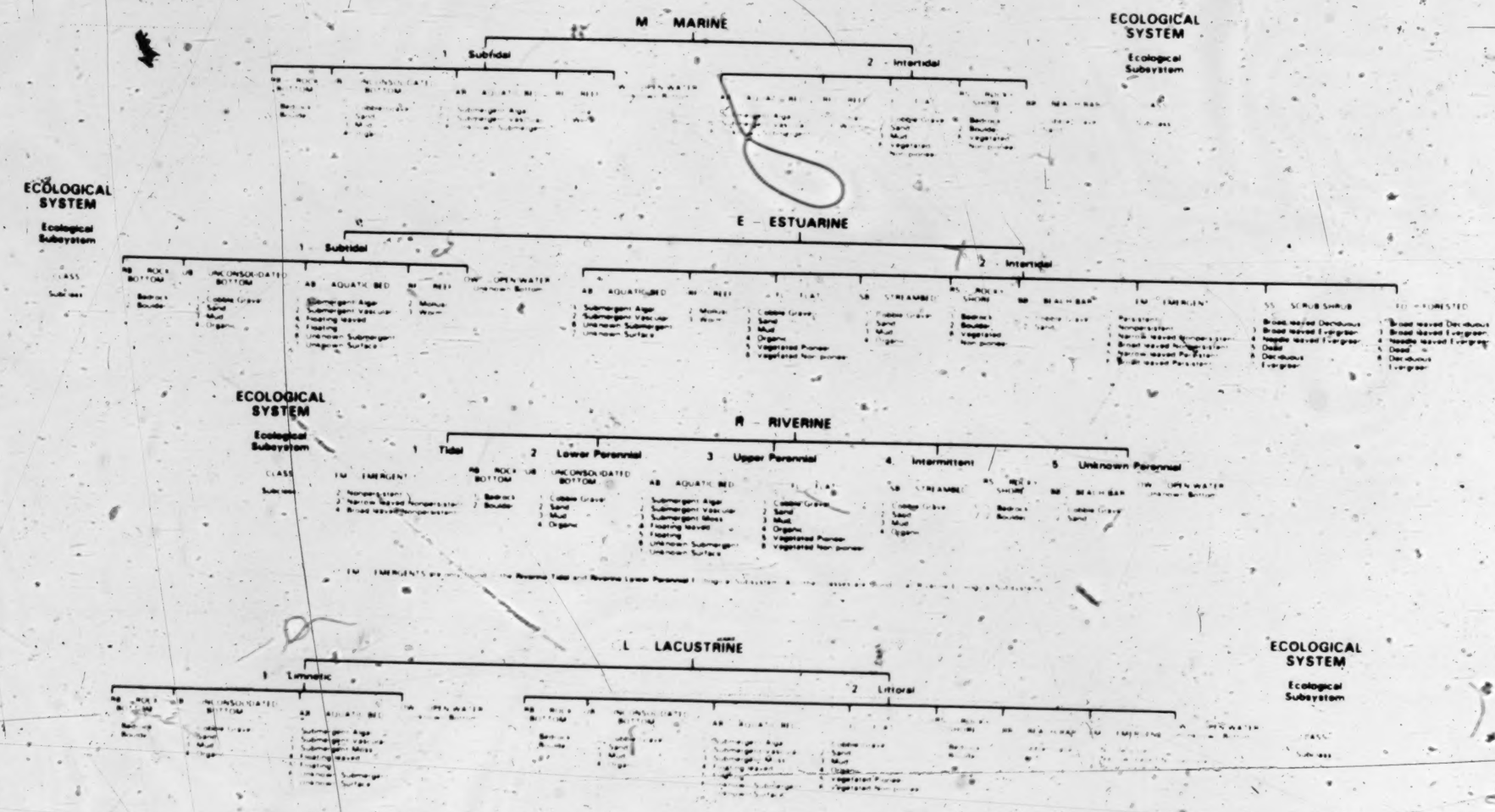
NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR


PEMC
PFO1/4E
PSSIE
PFO1/4C
PFO4C
PFO4E
PFO1E
PFO1C
PEME
PSSIEM
PFO5OWFb
PSS3Ba
PEMEb
PABF
PFO1/5Fb
PA8Fb
PSS1Y
PSS1EM
PFO1/4
PFO1B
PSS1B
POWF
LIOWH
POWFb
PFO5EM
PSS1C
PEMC
PFO4C
PSS1EM
PFO1C
PFO1/4C
PFO4E
PSSIE
PFO1E
PFO1/4E

WETLAND LEGEND

U Primarily represents upland areas, but may include unclassified wetlands such as man-modified areas, non-photo identifiable areas and/or unintentional omissions



MODIFYING TERMS

In order to more adequately describe wetland and aquatic habitats one or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The farmed modifier may also be applied to the ecological system.

WATER REGIME(1)		WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS
Non Tidal	Tidal	Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water		
A Temporary B Saturated C Seasonal D Seasonal Well-drained E Seasonal Saturated F Semipermanent G Intermittently Exposed H Permanent J Intermittently Flooded K Artificial Z Intermittently Exposed/Permanent W Intermittently Flooded/Temporary Y Saturated/Semipermanent/Seasonal U Unknown	R Seasonal Tidal S Temporary Tidal T Semipermanent Tidal V Permanent Tidal U Unknown 4 Artificial 5 Subtidal M Irregularly Exposed N Regular P Irregular	1 Hypersaline 2 Euhaline 3 Mixohaline (Brackish) 4 Polyhaline 5 Mesohaline 6 Oligohaline 0 Fresh	1 Hypersaline 8 Eusaline 9 Mixosaline 0 Fresh	a Acid c Circumneutral x Alkaline	o Organic m Mineral	f Beaver g Partially Drained/Ditched r Farmed h Diked/Impounded k Artificial s Spoil x Excavated

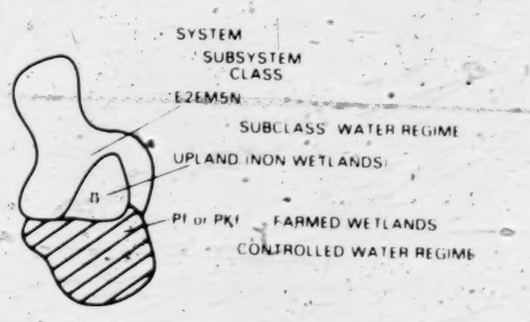
(1) Information on the water regime modifiers found on this legend, but not found in the classification system, may be obtained from the above listed source.

SPECIAL NOTE

This document was prepared primarily by stereoscopic analysis of high altitude aerial photographs. Wetlands were identified on the photographs based on vegetation, visible hydrology, and geography in accordance with **Classification of Wetlands and Deep-Water Habitats of the United States** (An Operational Draft), Cowardin, et al, 1977. The aerial photographs typically reflect conditions during the specific year and season when they were taken. In addition, there is a margin of error inherent in the use of the aerial photographs. Thus, a detailed on the ground and historical analysis of a single site may result in a revision of the wetland boundaries established through photographic interpretation. In addition, some small wetlands and those obscured by dense forest cover may not be included on this document.

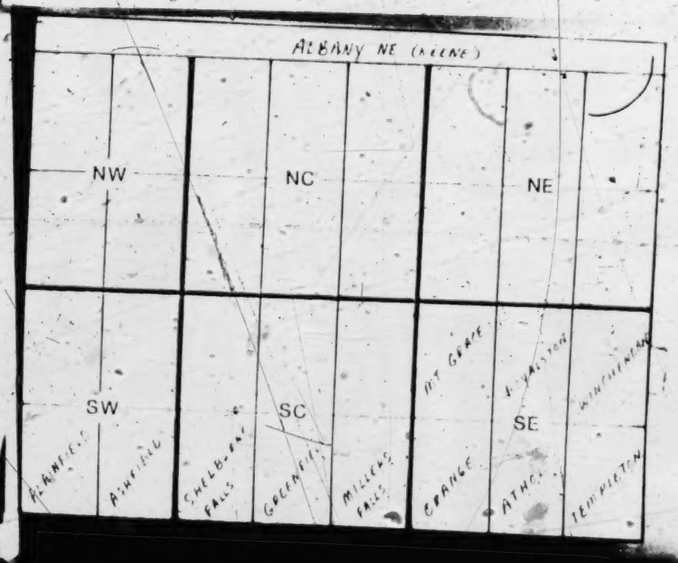
Federal, State and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, State or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, State or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

SYMBOLOGY EXAMPLE



NOTES TO THE USER

- Wetlands which have been field examined are indicated on the map by an asterisk (*).
- Dominance type (either vegetative or sedentary animal) can be added to the map by the interested user.
- Additions or corrections to the wetlands information displayed on this map are solicited. Please forward such information to the address indicated.



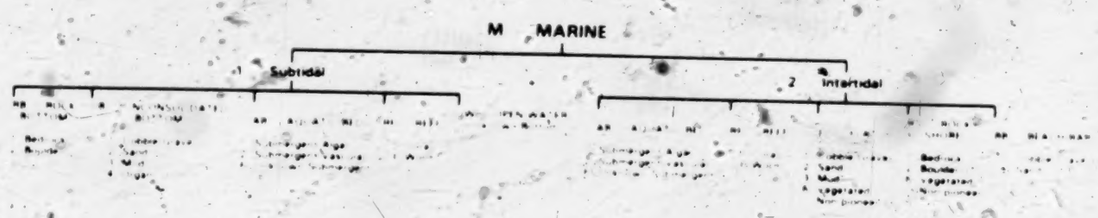
NATIONAL WETLANDS INVENTORY

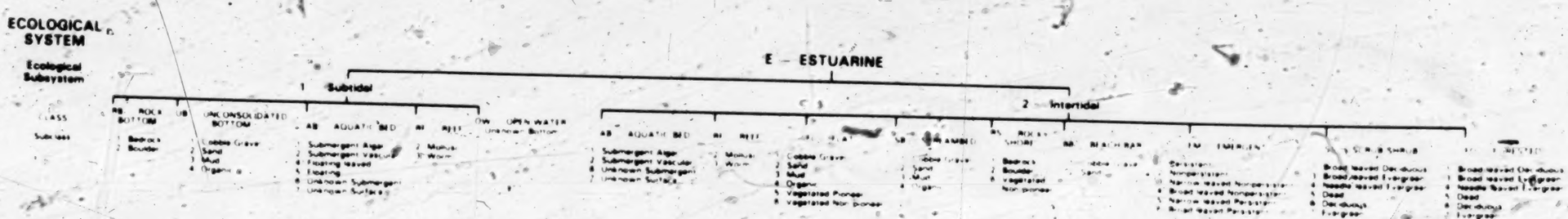
UNITED STATES DEPARTMENT OF THE INTERIOR

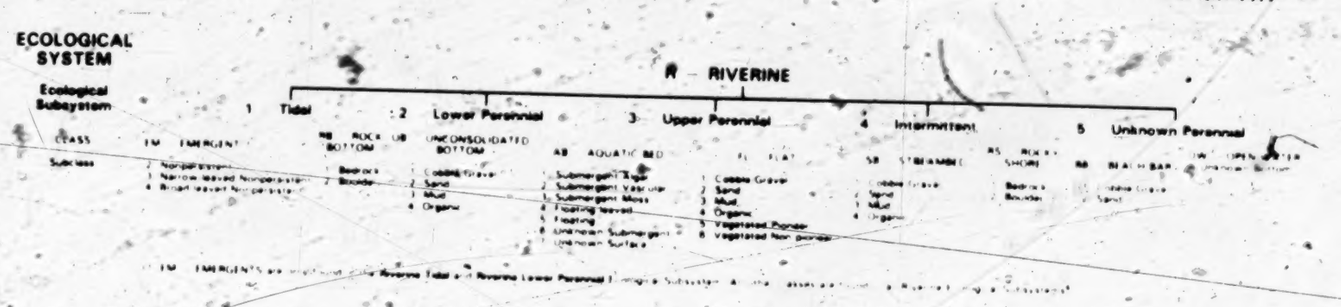
PFO1E
PFO4E
PFO1/4C
PFO1C
PFO1/4E
PFO4/1E
PFO4C
POWH
PSSIE
PFO5 EM Fb
PFO5 OW Fb
PSS1 EM E
PFO4 SS1 E
PFO6E
PFO6/4E
PFO1/4G
PFO4/1C
R20WH
R30WH
L1OWH
L2EMH
L2ABF
PEME
PFO1 SS E
PFO4A
PFO6 SS1 E
PFO1/2E
PFO4/6E
PFO4/1G
PSSIC
PSS1C
PFO1 SS1 E
PFO4 SS1 E
PFO5 OW Fb
PSS1 EM E
PFO1 EM E
PFO6 SS1 E
PFO4 SS1 E
PFO1 SS IE
PFO4 SS IE

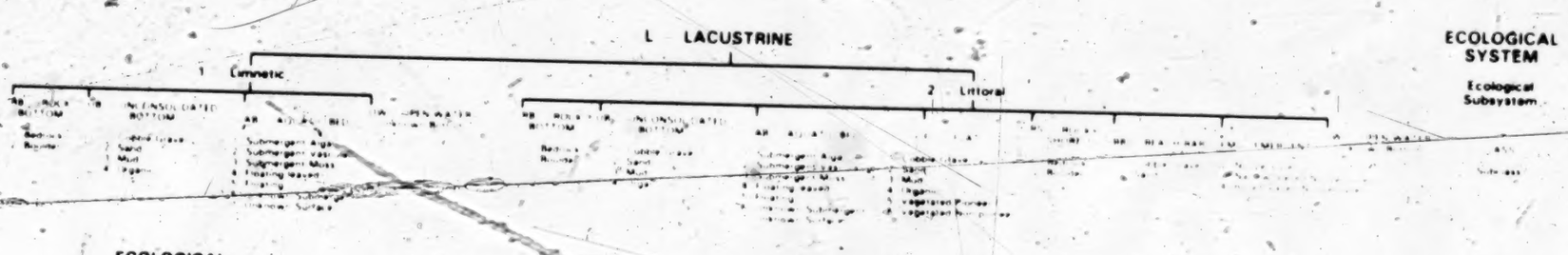
WETLAND LEGEND

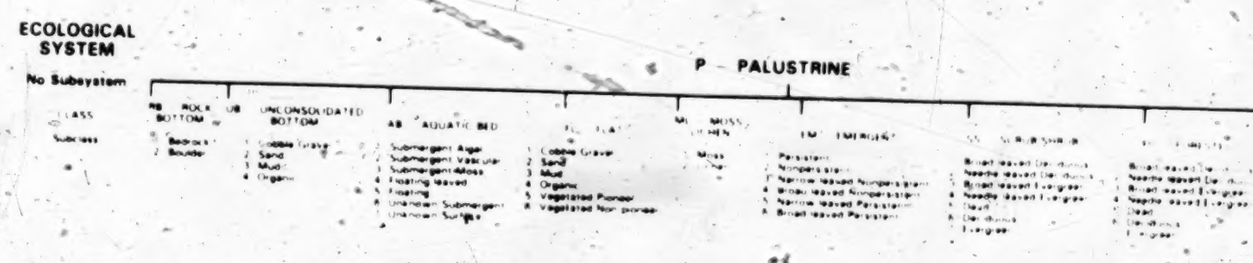
U Primarily represents **upland** areas, but may include unclassified wetlands such as man modified areas, non photo identifiable areas and or unintentional omissions











MODIFYING TERMS

In order to more adequately describe wetland and aquatic habitats one or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The farmed modifier may also be applied to the ecological system.

WATER REGIME(1)		WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS
Non-Tidal	Tidal	Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water		
A Temporary B Saturated C Seasonal D Seasonal Well drained E Seasonal Saturated F Semipermanent G Intermittently Exposed H Permanent J Intermittently Flooded K Artificial Z Intermittently Exposed Permanent V Intermittently Flooded Temporary Y Saturated Semipermanent Seasonal U Unknown	R Artificial S Subtidal T Irregularly Exposed M Regularly P Irregular N Seasonal Tidal W Temporary Tidal X Semipermanent Tidal U Unknown	1 Hyperhaline 2 Euhaline 3 Mixohaline (Brackish) 4 Polyhaline 5 Mesohaline 6 Oligohaline 0 Fresh	1 Hypersaline 2 Eusaline 3 Mixosaline 0 Fresh	a Acid i Circumneutral k Alkaline	U Organic M Mineral	f Beaver h Partially Drained/Ditched m Farmed d Diked/Impounded r Artificial s Spoil x Excavated

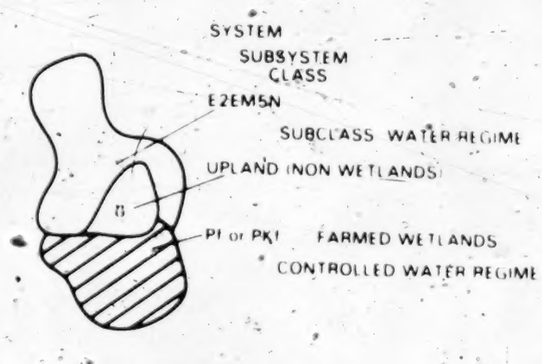
(1) Information on the water regime modifiers found on this legend, but not found in the classification system, may be obtained from the above listed source.

SPECIAL NOTE

This document was prepared primarily by stereoscopic analysis of high altitude aerial photographs. Wetlands were identified on the photographs based on vegetation, visible hydrology, and geography in accordance with **Classification of Wetlands and Deep Water Habitats of the United States** (An Operational Draft), Cowardin, et al, 1977. The aerial photographs typically reflect conditions during the specific year and season when they were taken. In addition, there is a margin of error inherent in the use of the aerial photographs. Thus, a detailed on the ground and historical analysis of a single site may result in a revision of the wetland boundaries established through photographic interpretation. In addition, some small wetlands and those obscured by dense forest cover may not be included on this document.

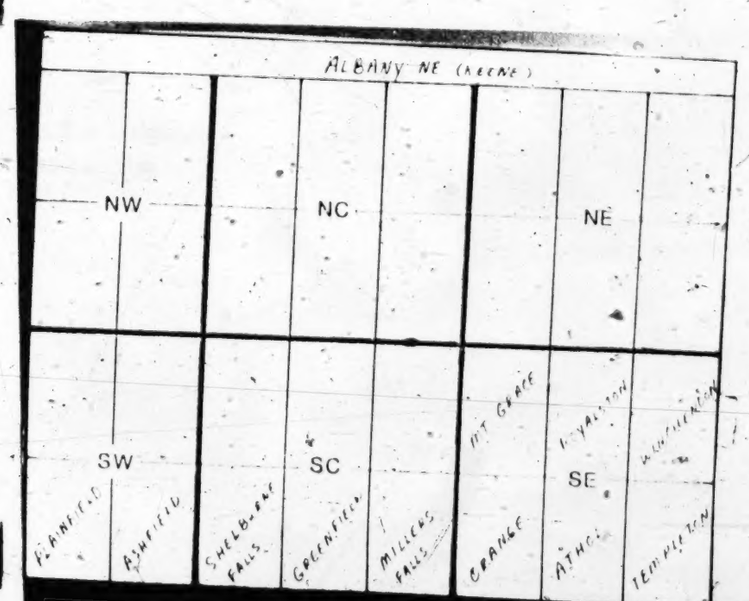
Federal, State and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, State or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, State or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

SYMBOLOGY EXAMPLE



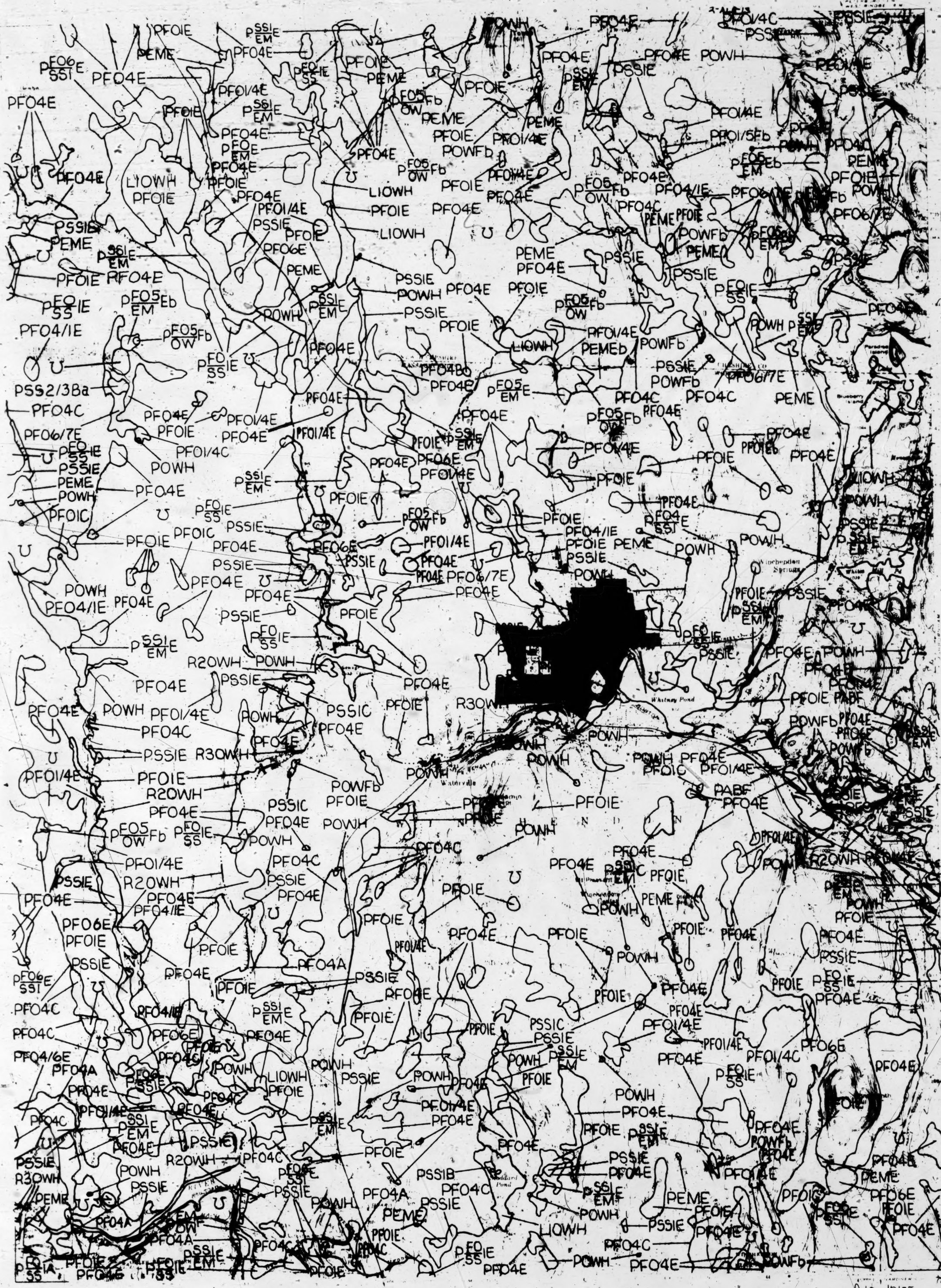
NOTES TO THE USER

- Wetlands which have been field examined are indicated on the map by an asterisk (*).
- Dominance type (either vegetative or sedentary animal) can be added to the map by the interested user.
- Additions or corrections to the wetlands information displayed on this map are solicited. Please forward such information to the address indicated.



NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR



ALBANY NE

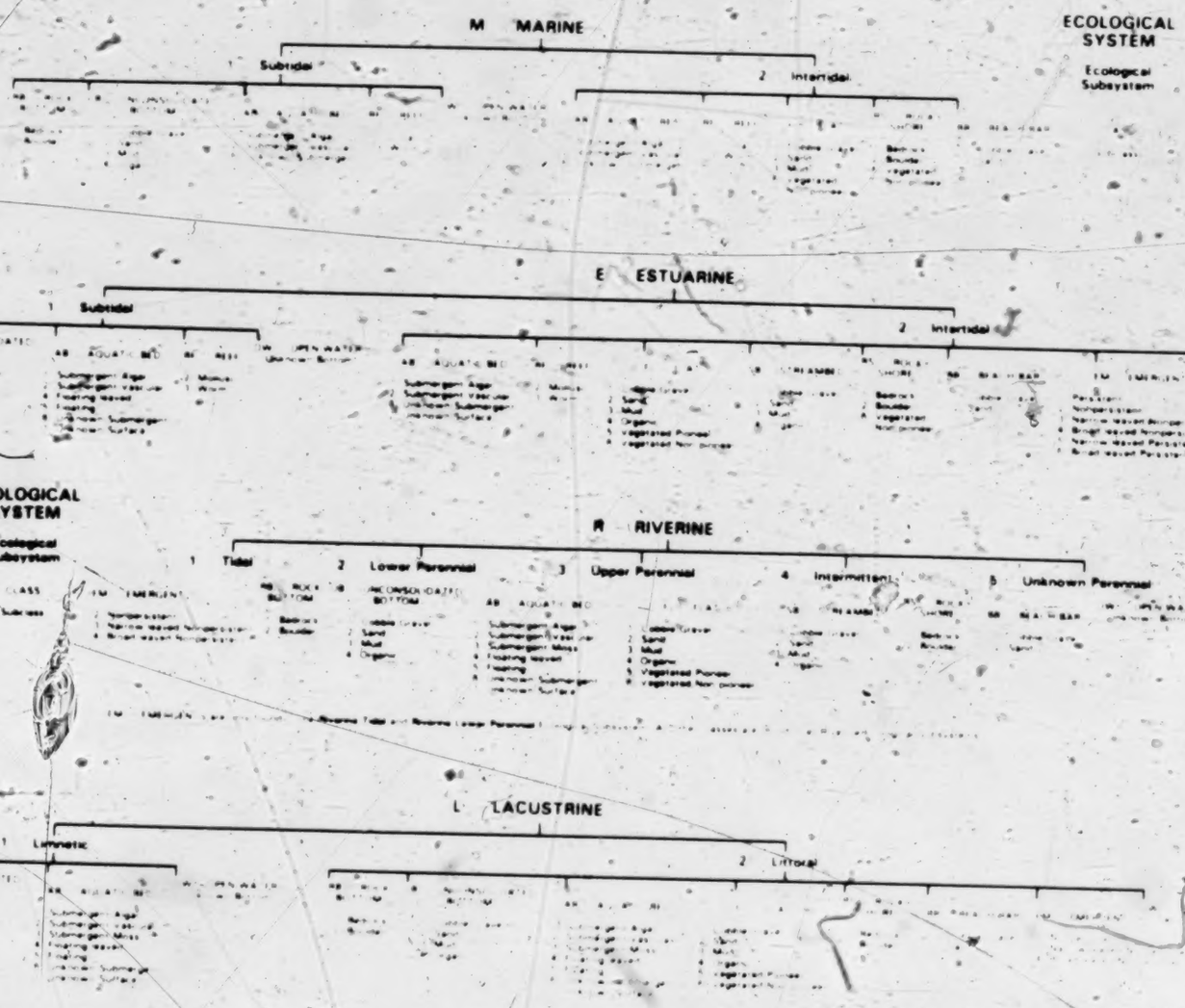
KEENE

A/P 10/75

WINCHENDON MASS — N H

WETLAND LEGEND

U Primarily represents **upland** areas, but may include unclassified wetlands such as man-modified areas, non-photo-identifiable areas and/or unintentional omissions



MODIFYING TERMS

In order to more adequately describe wetland and aquatic habitats one or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The farmed modifier may also be applied to the ecological system.

WATER REGIME(1)			WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS
Non Tidal		Tidal	Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water		
A Temporary B Saturated C Seasonal D Seasonal Well Drained E Seasonal Saturated F Semipermanent G Intermittently Exposed	H Permanent J Intermittently Flooded K Artificial Z Intermittently Exposed/Permanent W Intermittently Flooded/Temporary V Saturated/Semipermanent/Seasonal U Unknown	R Semiactive Tidal S Temporary Tidal T Semipermanent Tidal V Permanent Tidal	1 Hyperhaline 2 Euhaline 3 Mixohaline (Brackish) 4 Polyhaline 5 Mesohaline 6 Oligohaline 0 Fresh	7 Hypersaline 8 Eusaline 9 Mixosaline Fresh	a Acid b Circumneutral c Alkaline	a Organic b Mineral	Diked/Impounded Artificial Spoil Excavated

1/ Information on the water regime modifiers found on this legend, but not found in the classification system, may be obtained from the above listed source.

SPECIAL NOTE

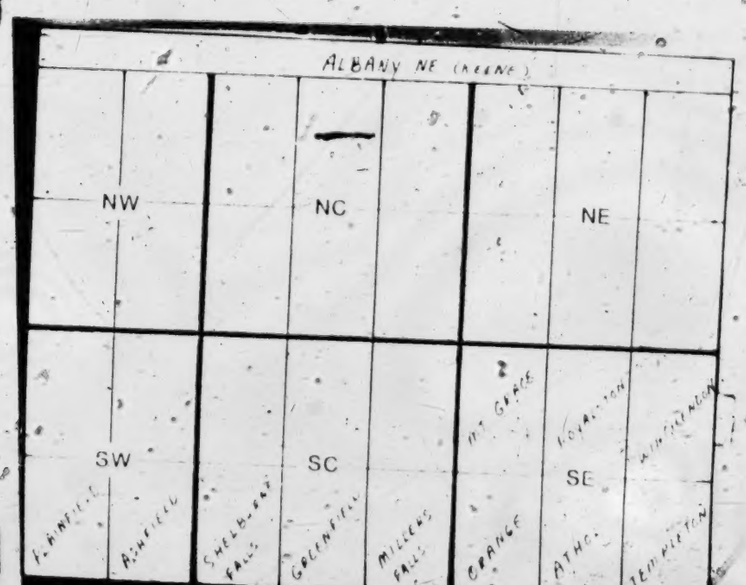
This document was prepared primarily by stereoscopic analysis of high altitude aerial photographs. Wetlands were identified on the photographs based on vegetation, visible hydrology, and geography in accordance with **Classification of Wetlands and Deep Water Habitats of the United States** (An Operational Draft), Cowardin, et al, 1977. The aerial photographs typically reflect conditions during the specific year and season when they were taken. In addition, there is a margin of error inherent in the use of the aerial photographs. Thus, a detailed on the ground and historical analysis of a single site may result in a revision of the wetland boundaries established through photographic interpretation. In addition, some small wetlands and those obscured by dense forest cover may not be included on this document.

Federal, State and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, State or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, State or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

SYMBOLOGY EXAMPLE

NOTES TO THE USER

- Wetlands which have been field examined are indicated on the map by an asterisk.
- Dominance type (either vegetative or sedentary animal) can be added to the map by the interested user.
- Additions or corrections to the wetlands information displayed on this map are solicited. Please forward such information to the address indicated.



NATIONAL WETLANDS INVENTORY

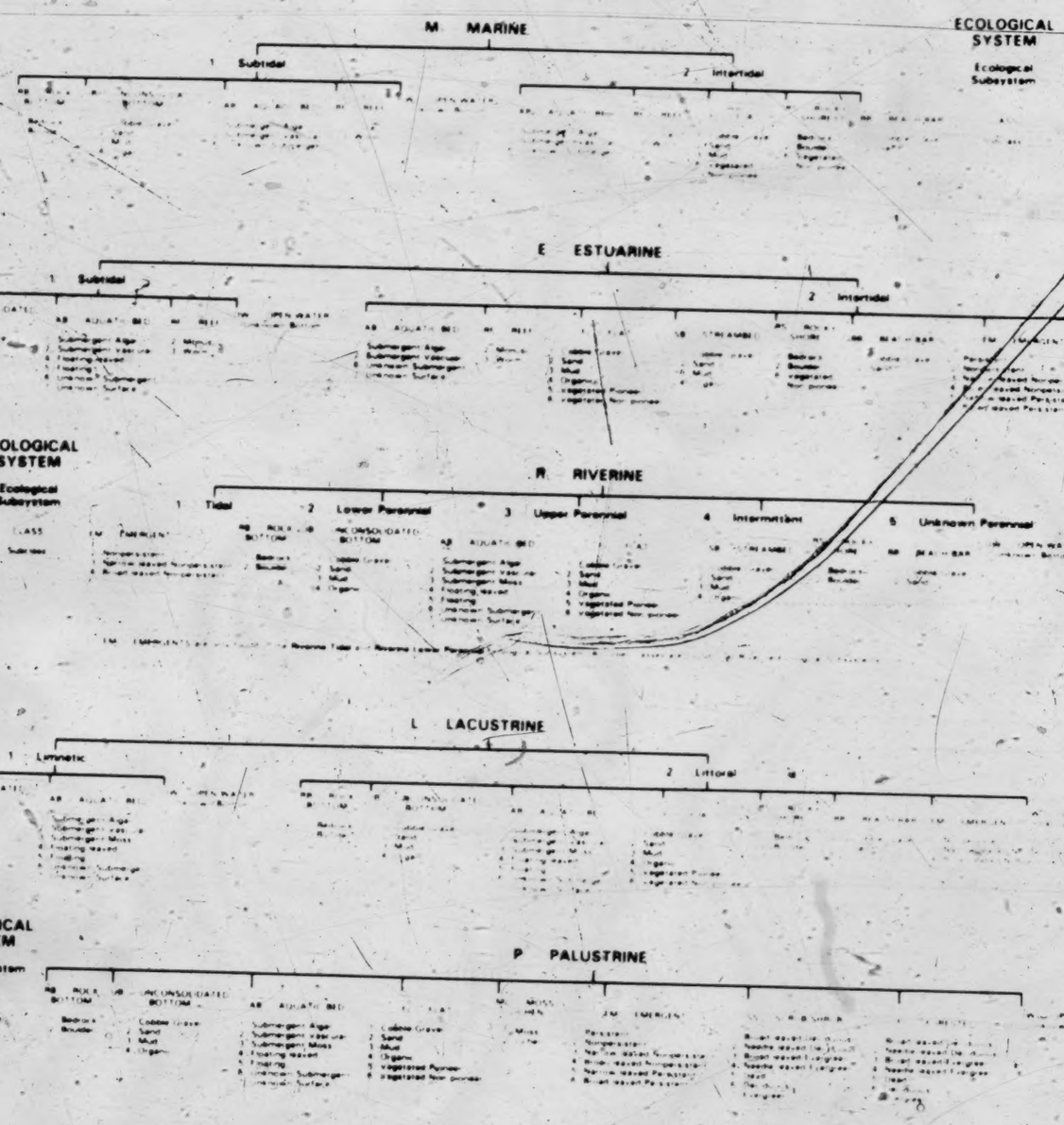
UNITED STATES DEPARTMENT OF THE INTERIOR

ALBANY NE
KEENE

A/P 10/75
ORANGE, MASS

WETLAND LEGEND

U Primarily represents **upland** areas but may include unclassified wetlands such as man modified areas non photo identifiable areas and or unintentional omissions



MODIFYING TERMS

In order to more adequately describe wetland and aquatic habitats one or more of the water regime water chemistry soil or special modifiers may be applied at the class or lower level in the hierarchy The farmed modifier may also be applied to the ecological system

WATER REGIME(1)				WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS
Non Tidal		Tidal		Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water		
A Temporary B Saturated C Seasonal D Seasonal Well Drained E Seasonal Saturated F Semipermanent G Intermittently Exposed	H Permanent J Intermittently Flooded K Artificial Z Intermittently Exposed Permanent W Intermittently Flooded Temporary V Saturated Semipermanent Seasonal U Unknown	R Artificial S Subtidal M Irregularly Exposed N Regular P Irregular	T Sesonal Tidal S Temporary Tidal V Semipermanent Tidal Y Permanent Tidal U Unknown	1 Hyperhaline 2 Euhaline 3 Mixohaline (Brackish) 4 Polyhaline 5 Mesohaline 6 Oligohaline 0 Fresh	7 Hypersaline 8 Eusaline 9 Mixosaline	A Acid B Circumneutral C Alkaline	O Organic M Mineral	1 Beaver 2 Partially Drained/Ditched 3 Farmed H Diked/Impounded K Artificial R Spoil X Excavated

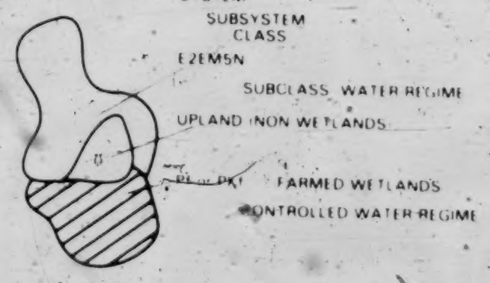
1 Information on the water regime modifiers found on this legend but not found in the classification system may be obtained from the above listed source

SPECIAL NOTE

This document was prepared primarily by stereoscopic analysis of high altitude aerial photographs Wetlands were identified on the photographs based on vegetation, visible hydrology, and geography in accordance with **Classification of Wetlands and Deep Water Habitats of the United States** (An Operational Draft), Cowardin et al, 1977 The aerial photographs typically reflect conditions during the specific year and season when they were taken In addition, there is a margin of error inherent in the use of the aerial photographs Thus, a detailed on the ground and historical analysis of a single site may result in a revision of the wetland boundaries established through photographic interpretation In addition, some small wetlands and those obscured by dense forest cover may not be included on this document

Federal, State and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, State or local government or to establish the geographical scope of the regulatory programs of government agencies Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, State or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities

SYMBOLOGY EXAMPLE

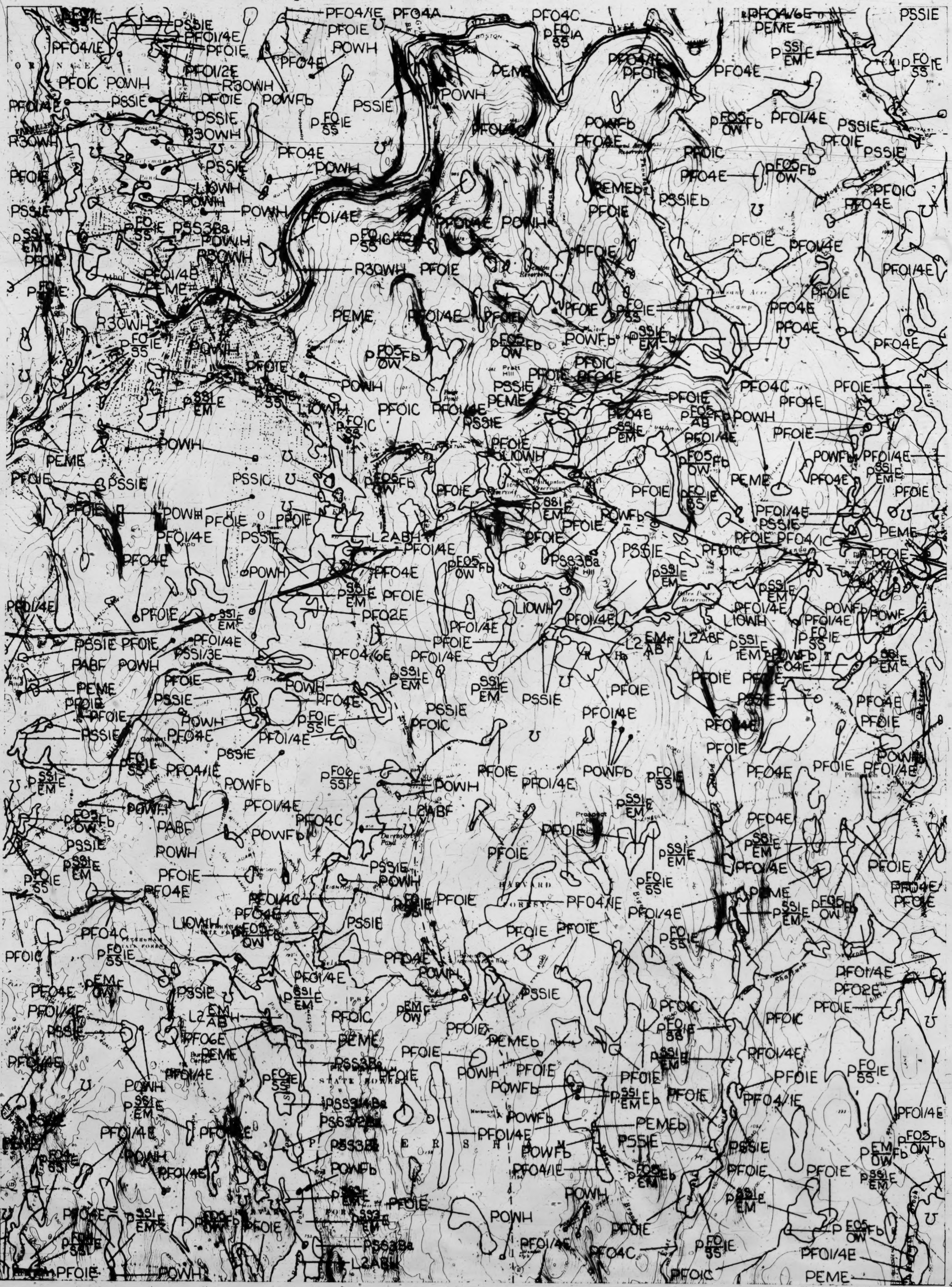


NOTES TO THE USER

- Wetlands which have been field examined are indicated on the map by an asterisk *
- Dominance type (either vegetative or sedentary animal) can be added to the map by the interested user *
- Additions or corrections to the wetlands information displayed on this map are solicited Please forward such information to the address indicated

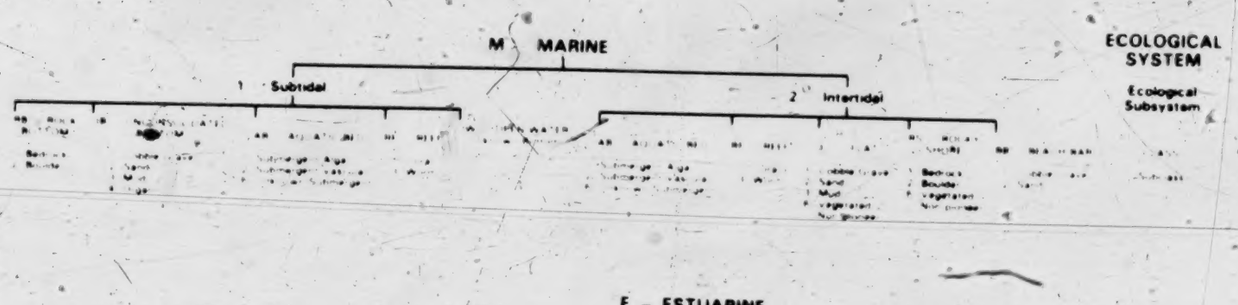
NATIONAL WETLANDS INVENTORY

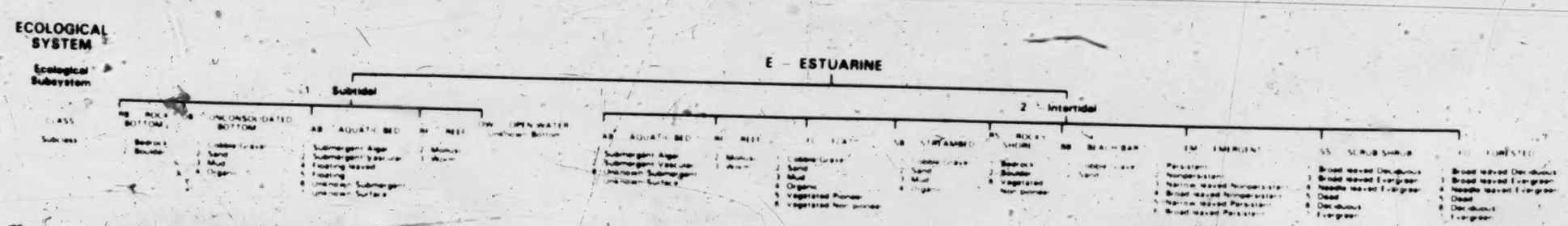
UNITED STATES DEPARTMENT OF THE INTERIOR

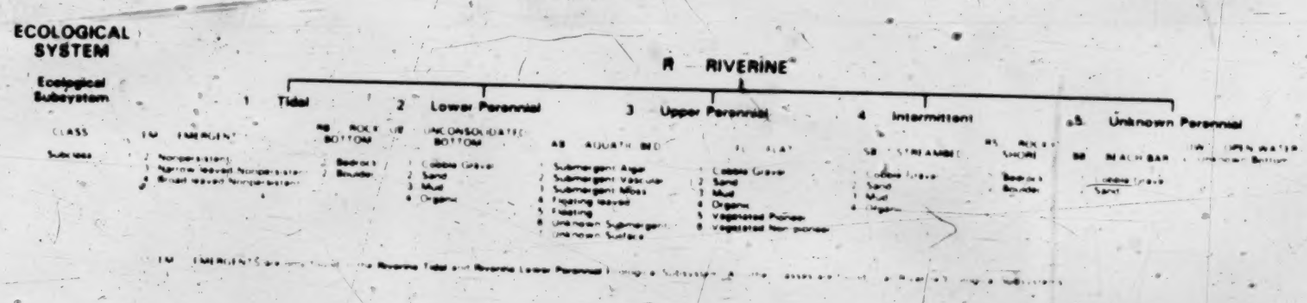

PFO4/1E
PSSIE
PFO1/4E
PFO1E
POWH
PFO1C
R3OWH
PFO1/2E
POWFb
PEME
PSS3Ba
L1OWH
L2ABH
PFO2E
PFO4/6E
PSS1/3E
PABF
PFO4C
PEMEb
PSS3/4Ba
PSS3/2Ba
PSS3Ba
PFO4E
PFO4A
PFO4C
PFO1A
PFO1/4E
PFO4/6E
PSSIE
PEME
PFO1E
PFO4E
POWFb
PFO1C
PSSIEb
PFO1/4E
PFO4E
PFO1E
PFO4E
PFO4C
PFO1E
PFO4E
PFO1E
PFO4E
PFO1E
PFO4E

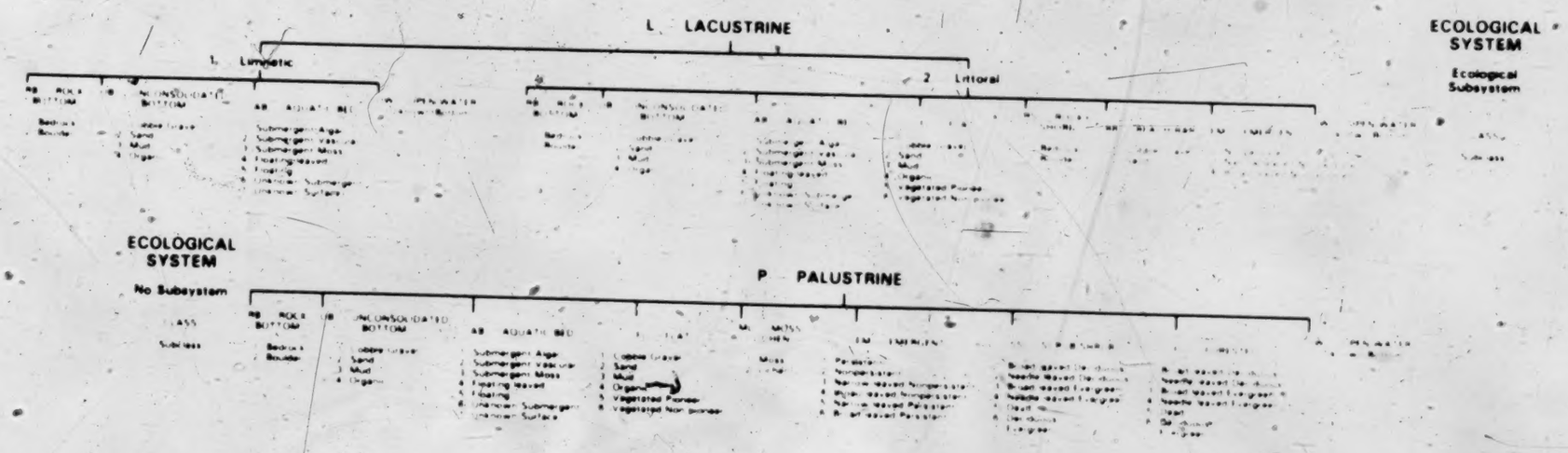
WETLAND LEGEND

{} Primarily represents upland areas, but may include unclassified wetlands such as man modified areas, non photo identifiable areas and or unintentional omissions









MODIFYING TERMS

In order to more adequately describe wetland and aquatic habitats one or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The farmed modifier may also be applied to the ecological system.

WATER REGIME(1)		WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS
Non Tidal	Tidal	Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water		
A Temporary B Saturated C Seasonal D Seasonal Well drained E Seasonal Saturated F Semipermanent G Intermittently Exposed	H Permanent J Intermittently Flooded K Artificial Z Intermittently Exposed Permanent W Intermittently Flooded Temporary Y Saturated Semipermanent Seasonal U Unknown	1 Hyperhaline 2 Euhaline 3 Mixohaline Brackish 4 Polyhaline 5 Mesohaline 6 Oligohaline 0 Fresh	Hypersaline Euhaline Mixosaline Fresh	Acid Circumneutral Alkaline	Organic Mineral	Beaver Partially Drained/Ditched Farmed Diked/Impounded Artificial Spoil Excavated

(1) Information on the water regime modifiers found on this legend but not found in the classification system may be obtained from the above listed source.

SPECIAL NOTE

This document was prepared primarily by stereoscopic analysis of high altitude aerial photographs. Wetlands were identified on the photographs based on vegetation, visible hydrology, and geography in accordance with **Classification of Wetlands and Deep Water Habitats of the United States** (An Operational Draft), Cowardin, et al, 1977. The aerial photographs typically reflect conditions during the specific year and season when they were taken. In addition, there is a margin of error inherent in the use of the aerial photographs. Thus, a detailed on the ground and historical analysis of a single site may result in a revision of the wetland boundaries established through photographic interpretation. In addition, some small wetlands and those obscured by dense forest cover may not be included on this document.

Federal, State and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, State or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, State or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

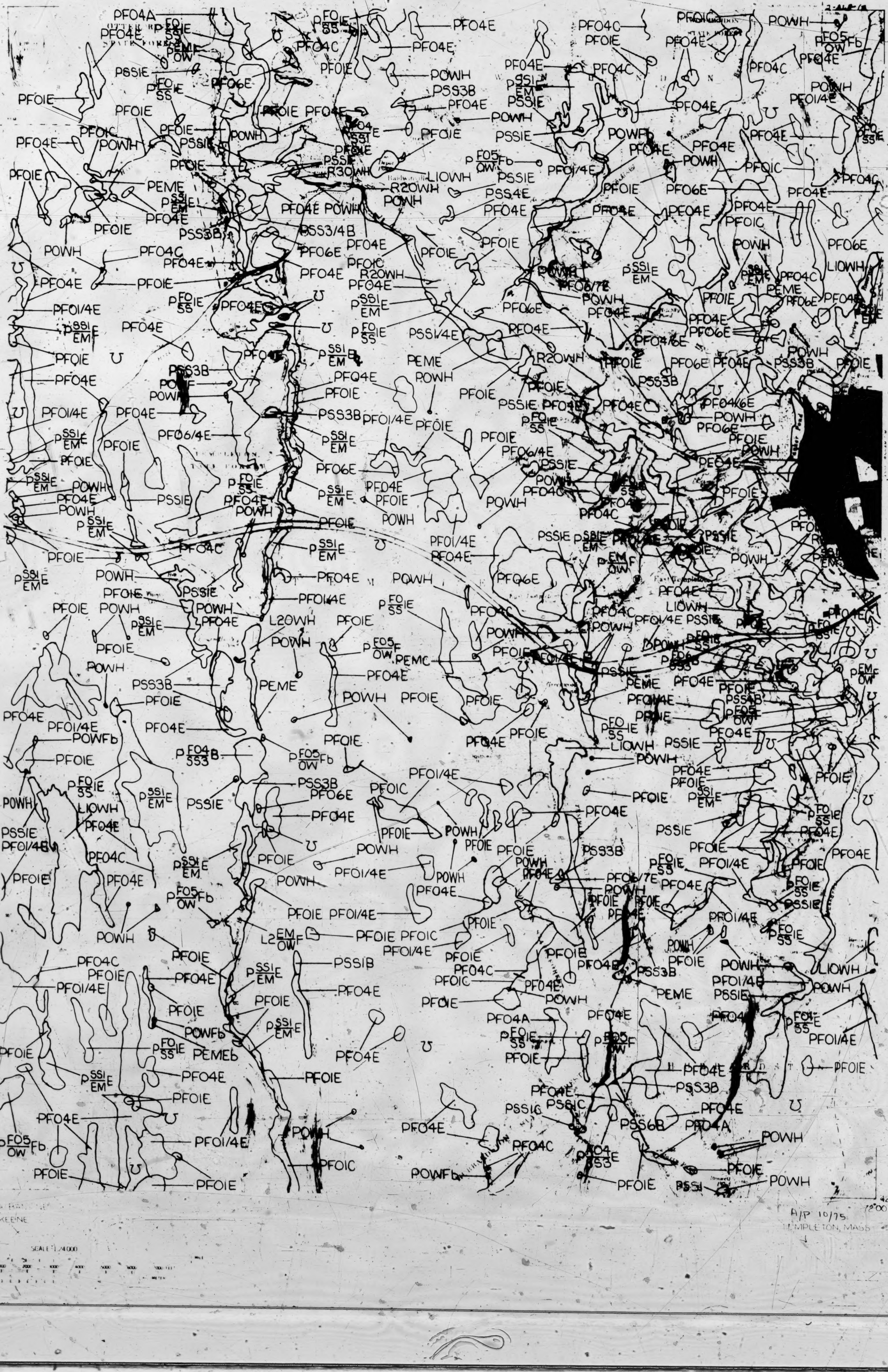
SYMBOLOGY EXAMPLE

NOTES TO THE USER

- Wetlands which have been field examined are indicated on the map by an asterisk *.
- Dominance type (either vegetative or sedentary animal) can be added to the map by the interested user.
- Additions or corrections to the wetlands information displayed on this map are solicited. Please forward such information to the address indicated.

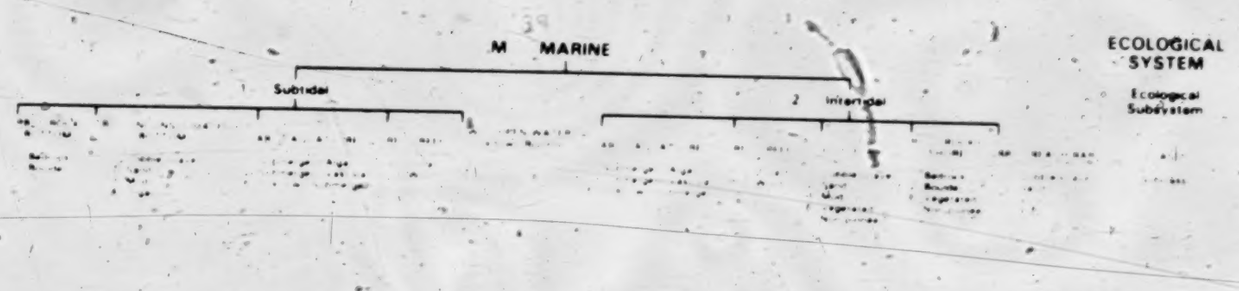
NATIONAL WETLANDS INVENTORY

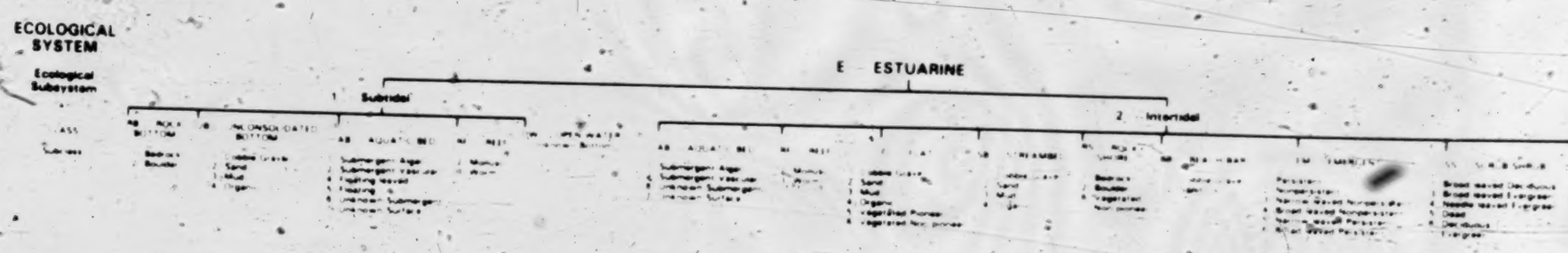
UNITED STATES DEPARTMENT OF THE INTERIOR

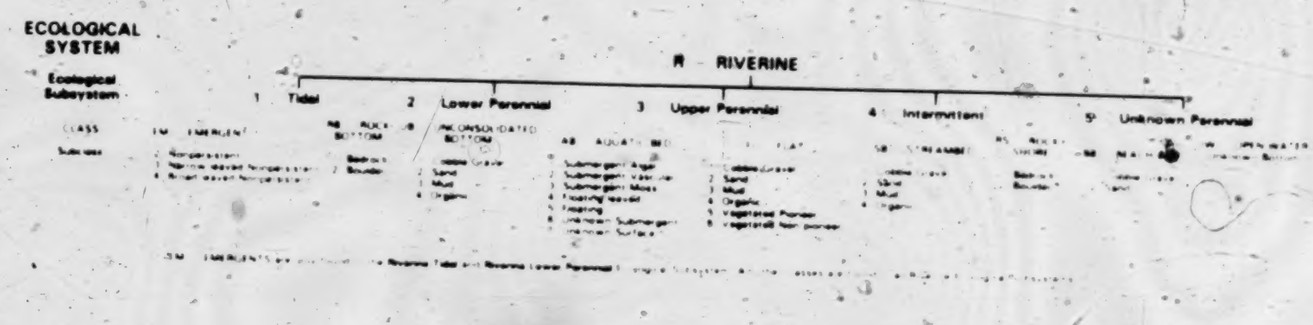

PF04A
PF04E
PSSIE
PF06E
PF01E
PF01C
POWH
PEME
PSS3B
PSS3/4B
PF04C
PF01/4E
PF06/4E
PF06/7E
PSS4E
PSS1/4E
L10WH
R20WH
R30WH
L20WH
PEMC
PEMEb
POWFb
PSS1B
PSS1C
PSS6B
PF04B
PF04/6E
PF01/4B
PSS1G
PF04/7E
PF04/6E
PF01/4E
PF01/4B
PF04/7E
PF04/6E

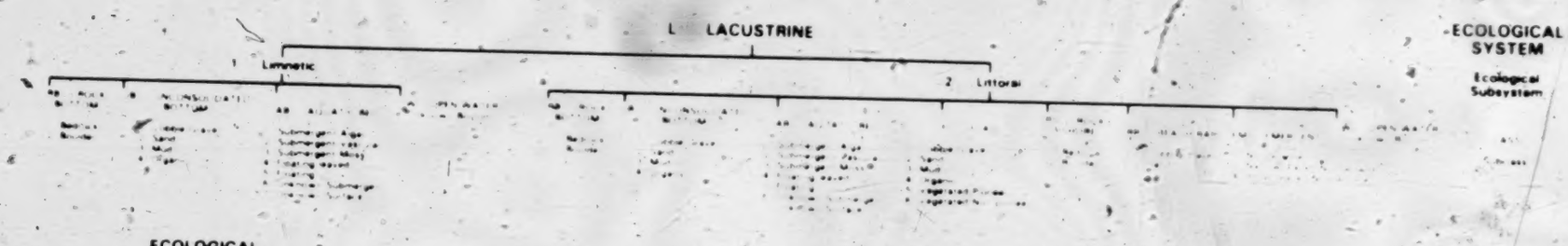
WETLAND LEGEND

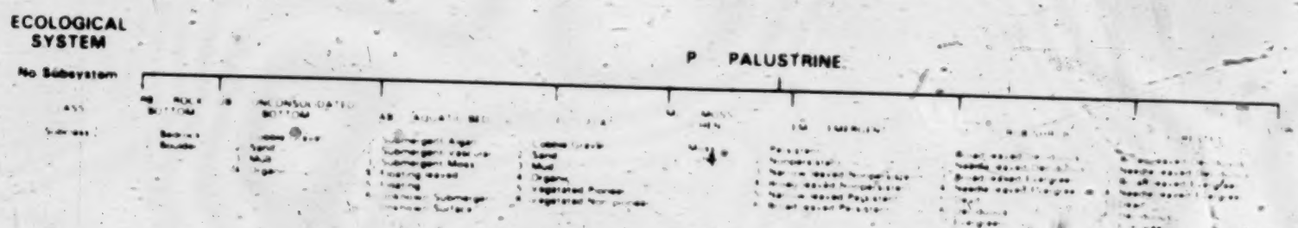
[] Primarily represents **upland** areas, but may include unclassified wetlands such as man-modified areas, non photo-identifiable areas and or unintentional omissions











MODIFYING TERMS

In order to more adequately describe wetland and aquatic habitats one or more of the water regime, water chemistry, soil or special modifiers may be applied at the Class or lower level in the hierarchy. The farmed modifier may also be applied at the ecological system level.

WATER REGIME(1)										WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS	
Non Tidal				Tidal						Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water			
A Temporary	H Permanent			J Irregular						Hyperhaline					
B Saturated	F Intermittently Flooded			K Artificial						E Euhaline	Hypersaline				
C Seasonal	G Artificial			L Regularly Flooded						F Mixohaline Brackish	Eusaline				
D Seasonal Well-drained	J Intermittently Exposed/Permanent			M Irregularly Flooded						G Polyhaline	Mixosaline				
E Seasonal Saturated	K Intermittently Flooded/Temporary			N Regular						H Mesohaline	Oligosaline				
F Semipermanent	L Saturated/Semipermanent/Seasonal			P Irregular						J Oligohaline	Fresh				
G Intermittently Exposed	Artificial									Fresh					

(1) Information on the water regime modifiers found on this legend, but not found in the classification system, may be obtained from the above cited source.

SPECIAL NOTE

This document was prepared primarily by stereoscopic analysis of high altitude aerial photographs. Wetlands were identified on the photographs based on vegetation, visible hydrology and geography in accordance with **Classification of Wetlands and Deep Water Habitats of the United States** (An Operational Draft) Cowardin et al 1977. The aerial photographs typically reflect conditions during the specific year and season when they were taken. In addition, there is a margin of error inherent in the use of the aerial photographs. Thus, a detailed on the ground and historical analysis of a single site may result in a revision of the wetland boundaries established through photographic interpretation. In additions some small wetlands and those obscured by dense forest cover may not be included on this document.

Federal, State and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, State or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, State or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

SYMBOLOGY EXAMPLE

NOTES TO THE USER

- Wetlands which have been field examined are [illegible] on the map by an asterisk.
- Dominance type within vegetative or sedentary [illegible] can be added to the map by the interested user.
- Additions or corrections to the wetlands information displayed on this map are solicited. Please mail such information to the address indicated.